

# *INNEEL Sitewide Institutional Controls Plan*



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# **Idaho National Engineering and Environmental Laboratory Sitewide Institutional Controls Plan**

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## **ABSTRACT**

On November 9, 2002, the U.S. Environmental Protection Agency (EPA), the U.S. Department of Energy, and the Idaho Department of Environmental Quality approved the Record of Decision for Waste Area Group 10, Operable Unit 10-04, which requires a Sitewide institutional controls plan for the Idaho National Engineering and Environmental Laboratory (INEEL).

This Sitewide Institutional Controls Plan is based on the guidance in the May 3, 1999, EPA Region 10 final policy on the use of institutional controls at federal facilities; the September 29, 2000, EPA guidance “Institutional Controls: A Site Manager’s Guide to Identifying, Evaluating, and Selecting Institutional Controls at Superfund and RCRA Corrective Action Cleanups” (EPA 2000), and the April 9, 2003, DOE Policy (DOE P 454.1) “Use of Institutional Controls.” These policies establish measures that ensure short- and long-term effectiveness of institutional controls that protect human health and the environment at federal facility sites undergoing remedial action pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act and/or corrective action pursuant to the Resource Conservation and Recovery Act.

The site-specific institutional controls currently in place at the INEEL are documented in this sitewide plan. This plan will be updated as new information regarding sites becomes available, as other requirements related to institutional controls are specified, or when institutional controls change or are terminated. The *INEEL Comprehensive Facilities and Land Use Plan* (DOE/ID-10514) will complement and support this plan by providing current and projected facility and land uses.



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## **ACRONYMS**

BLM	Bureau of Land Management
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFLUP	Comprehensive Facility and Land Use Plan
CFR	Code of Federal Regulations
DEQ	Idaho Department of Environmental Quality
DOE Idaho	U.S. Department of Energy
DOE	U.S. Department of Energy Idaho Operations Office
EPA	U.S. Environmental Protection Agency
ESD	explanation of significant differences
FFA/CO	Federal Facility Agreement and Consent Order
FR	Federal Register
GSA	General Services Administration
HWMA	Hazardous Waste Management Act
IC	institutional control
ICP	Idaho Completion Project
INEEL	Idaho National Engineering and Environmental Laboratory
INEL	Idaho National Engineering Laboratory
INTEC	Idaho Nuclear Technology and Engineering Center
NCP	National Contingency Plan
NEPA	National Environmental Policy Act
NPL	National Priorities List
NRTS	National Reactor Testing Station
NSD	Notice of Soil Disturbance
OU	operable unit
RCRA	Resource Conservation and Recovery Act
RD/RA	remedial design/remedial action
RI/FS	remedial investigation/feasibility study

ROD	record of decision
RWMC	Radioactive Waste Management Complex
RWP	radiological work permit
TAN	Test Area North
TRA	Test Reactor Area
USC	United States Code
VPP	Voluntary Protection Program
WAG	waste area group
WCF	Waste Calcine Facility

## **TERMS/DEFINITIONS**

*Action memorandum.* A primary decision document, equivalent to a record of decision (ROD), explaining the rationale for a selected removal action (time critical or nontime critical)

*CERCLA explanation of significant differences (ESD).* A document explaining a significant change to a remedial action selected in a CERCLA ROD.

*CERCLA record of decision (ROD).* Official document presenting the selected decision for a remedial action. A ROD also documents a federal agency decision made on an environmental impact statement.”

*CERCLA ROD amendment.* Documents a fundamental change to a remedial action in a previously issued ROD.

*Decision document.* Refers to CERCLA Action Memorandums, RODs, both interim or final, ROD amendments, ESDs orders, Consent Decrees, RCRA orders or consent agreements, and RCRA permits and permit modifications.

*Disposal (of real property).* The temporary or permanent transfer of ownership, possession, or control of real property from the U.S. Department of Energy to another party by lease, deed, or transfer between federal agencies.

*Easement.* A right to use property for a specific purpose, allowing an entity to use land owned by another.

*Failed control.* A condition inconsistent with a specific IC objective for a site, such as unauthorized well drilling, intrusion into engineered covers, or a change in land use from industrial to residential.

*Institutional control (IC).* The EPA defines ICs as non-engineered instruments, such as administrative and/or legal controls, that help to minimize the potential for human exposure to contamination and/or protect the integrity of a remedy. ICs work by limiting land or resource use and/or by providing information that helps modify or guide human behavior at the site. Some common examples of ICs include zoning restrictions, building or excavation permits, well drilling prohibitions and easements and covenants.

*Major deficiency.* An inconsistency between institutional control requirements, and the actual conditions, that could result in immediate danger to human health or the environment. (Major inconsistencies may include changes in land use from industrial to residential, unauthorized well drilling, etc.)

*Minor deficiency.* An inconsistency between institutional control requirements and the actual conditions which will not likely result in immediate danger to human health or the environment. (Minor inconsistencies may include missing or downed signs, broken or illegible markers, etc.)

*National Priorities List (NPL).* A list, maintained by the U.S. Environmental Protection Agency, of uncontrolled hazardous waste sites that have releases of, or could release, hazardous substances to the environment and are subject to CERCLA.

*Operable unit (OU).* A waste area group (WAG) subset that is a potential source area to be investigated and/or remediated.

*Waste area group (WAG).* The INEEL NPL site is divided into operational facility (geographic) areas WAGs to facilitate environmental remediation, with the exception of WAG 10; WAG 10 includes areas not in the other WAGs plus the Snake River Plain Aquifer.

# **INEEL Sitewide Institutional Controls Plan**

## **1. INTRODUCTION**

Institutional controls (ICs) are measures undertaken to limit or prohibit activities that may interfere with the integrity of an interim action or cleanup action or result in human exposure to hazardous substances at a site. Such measures are required to assure both the continued protection of human health and the environment and the integrity of an interim action or a cleanup action. ICs are intended to supplement engineering controls and may be a necessary component of the completed remedy. Institutional controls may be used during the remedial investigation/feasibility study (RI/FS), during implementation of the remedial action, and where necessary, as a component of the completed remedy. Institutional controls are generally required when residual concentrations of hazardous substances remain that preclude releasing an area for unrestricted land use, or when the regulatory agencies determine such controls are needed to protect human health or the environment. However, ICs should not be used as the sole remedy unless active response measures are determined to be impracticable. Often, ICs are more effective if they are layered (use of different IC at the same time) or applied in series (use of ICs at different points in the investigation/remediation process).

The ICs at the Idaho National Engineering and Environmental Laboratory (INEEL) are based on guidance in the May 3, 1999, U.S. Environmental Protection Agency (EPA) "Region 10 Final Policy on the Use of ICs at Federal Facilities" (EPA 1999); the September 29, 2000, EPA guidance "Institutional Controls: A Site Manager's Guide to Identifying, Evaluating, and Selecting Institutional Controls at Superfund and RCRA Corrective Action Cleanups" (EPA 2000); and the April 9, 2003, DOE policy (DOE P 454.1) Use of Institutional Controls. Consistent with the IC policy, U.S. Department of Energy (DOE) Idaho Operations Office (DOE Idaho) will: (a) implement measures that ensure short- and long-term effectiveness of ICs that protect human health and the environment at federal facility sites undergoing remedial action pursuant to Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (42 USC 9601, et seq.) and/or corrective action pursuant to the Resource Conservation and Recovery Act (RCRA) (42 USC 6901 et seq.), (b) file an initial IC status report on the status of the ICs with Idaho Department of Environmental Quality (DEQ) and EPA within six months after the signing of any decision documents such as a CERCLA record of decision (ROD) and/or a RCRA statement of basis, and (c) submit IC assessment reports at least annually thereafter. The EPA IC policy allows a federal facility (e.g., INEEL) to submit one IC assessment report to cover all operating units (OUs) and all ICs at the federal facility. However, after a federal facility's comprehensive facility-wide approach is well established and the facility has demonstrated its effectiveness, the frequency of future IC assessment reports may be modified by agreement with EPA and DEQ.

The primary long-term objective of institutional controls at the INEEL is to protect human health by preventing exposure to contaminants or hazardous substances, and to protect the environment by preventing migration of contaminants and hazardous substances that are left in place following remedial actions. The long-term responsibility for evaluating the effectiveness of IC measures at the INEEL Site will reside with the stewardship program. In addition to ICs, the stewardship program will hold the long-term responsibility for operation and maintenance, and surveillance and monitoring at the INEEL Site. Although CERCLA institutional controls, operations and maintenance, and surveillance and monitoring activities are all closely related tasks, this plan focuses on institutional controls and is not a Long-Term Stewardship plan.

## 1.1 Background

The INEEL, established in 1949 as the National Reactor Testing Station (NRTS), is a U.S Department of Energy managed reservation devoted to nuclear energy research and environmental-related activities. The NRTS was renamed the Idaho National Engineering Laboratory (INEL) in 1974 to emphasize the engineering activities being conducted. In 1989, the EPA proposed listing the INEL on the National Priorities List (NPL) of the National Oil and Hazardous Substances Contingency Plan (NCP). The EPA issued a final ruling that listed the INEL as an NPL site in November 1989 (54 FR 134). As a result, the Site became subject to the requirements of CERCLA § 120, governing remedial actions on federal facilities. The Federal Facility Agreement and Consent Order (FFA/CO) (DOE-ID 1991) and associated action plan were developed to establish the procedural framework and schedule for developing, prioritizing, implementing, and monitoring response actions in accordance with CERCLA, RCRA, and the Idaho Hazardous Waste Management Act (HWMA) (HWMA 1983). In 1997, the INEL was changed to the Idaho National Engineering and Environmental Laboratory to reflect an emphasis on environmental research as well as the continued engineering and reactor research. In accordance with the FFA/CO, the INEEL was divided into 10 waste area groups (WAGs) to facilitate remedial design/remedial actions (Figure 1-1). The remedial design/remedial action RD/RA process identified in GDE-72, “Remedial Design and Remedial Action,” includes developing the design of the selected remedy and the implementation of the remedy through construction, including implementation of institutional controls (ICs). It also identifies that ICs should be formalized during the development of the RD/RA scoping statement. However, identification of new sites during remedial actions, or upon completion of remedial actions, may result in development of ICs at times other than during the RD/RA scoping phase only.

Reorganization of the INEEL in January 2003 distributed the WAGs into the following Clean and Close Projects under the Idaho Completion Project (ICP):

- Clean and Close Idaho Nuclear Technology and Engineering Center (INTEC)
- Clean and Close Radioactive Waste Management Complex (RWMC)
- Clean and Close Test Area North (TAN)
- Balance of INEEL Cleanup.

The individual clean and close projects have, at the time of preparation of this document, achieved varying degrees of completion on their remedial actions, and most have identified the sites that require, or will require ICs. These sites, and the required ICs are identified in a ROD, ROD amendment, or other decision document prepared by each WAG/closure project.

Under the ICP structure, several RCRA permits have been issued and will result in the closure of sites not identified under CERCLA. One of these sites (CPP-637 – Old Waste Calcine Facility (WCF) has completed closure actions under the landfill closure requirement of 40 CFR 264.310. This site and the required ICs are identified in the WCF closure permit (PER-112), although the responsibility for this site remains with the ICP subproject. All currently identified IC sites at the INEEL Site are listed in Appendix A. Sites in Appendix A are identified by WAG. Appendix A also identifies the objective of the ICs and the timeframe during which the ICs are effective.

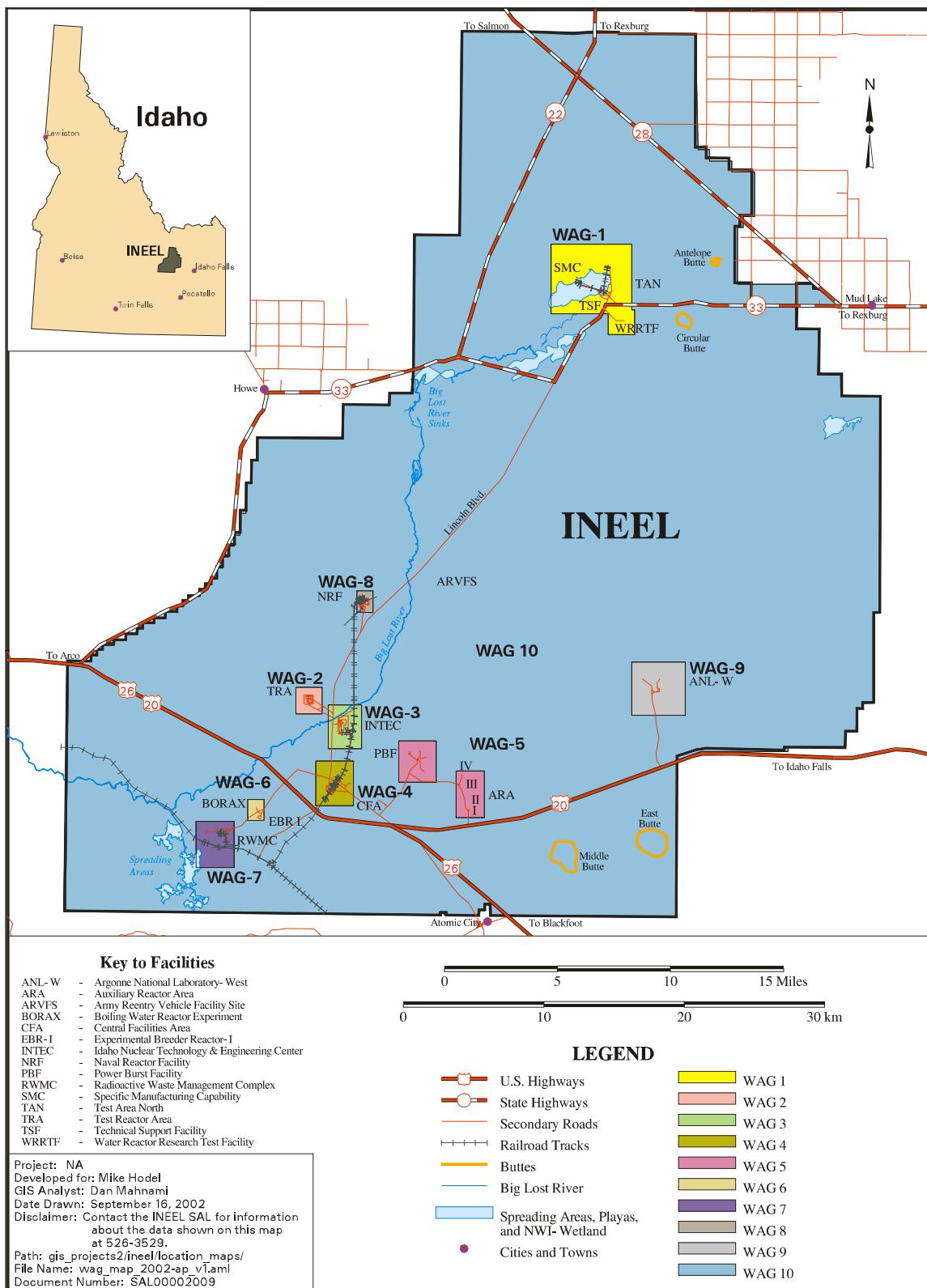


Figure 1-1. INEEL Site map showing WAG locations.

Based on information from the Risk-Based End State documentation (DOE-ID-2004) seven additional sites requiring ICs are anticipated for closure under RCRA permits. These sites, however, are not included in this revision of this plan because the closures have not been completed and ICs are not established. Future revisions of this document will include these sites, and any other new sites as ICs are established.

On November 9, 2002, EPA and DEQ approved and issued the ROD for Waste Area Group (WAG) 10 Operable Unit (OU) 10-04 (DOE-ID 2002). The ROD requires a sitewide institutional controls plan for the INEEL site. The DOE Idaho prepared this plan to include those sites that are under direct control of DOE Idaho. Therefore, as of April 1, 2004, this plan excludes WAG 8 and WAG 9. DOE Idaho may revise this plan at a later date to include the institutional controls (ICs) for WAG 8 and WAG 9.

## 1.2 Purpose

This IC plan identifies common institutional control measures, and describes methods used to inspect institutionally controlled sites at the INEEL, and evaluate whether the IC requirements are being met. In addition, this plan provides a list of institutionally controlled sites INEEL-wide, identifies the IC objectives for each site, and presents the timeframe during which ICs will be in effect. This plan was prepared in accordance with DOE and EPA guidance, and by integrating institutional controls portions of previous DOE Idaho documents at the INEEL. Only the portions of those documents that pertain to institutional controls are integrated. No other materials in the documents are replaced, integrated, or altered. Appendix B provides a listing of the relevant documents from which IC information was gleaned and integrated into this IC plan. Future decision documents that institute, maintain, or evaluate institutional controls shall be consistent with this plan, and shall be integrated into future revisions of this plan. This plan fulfills the requirement for a sitewide institutional control plan set forth in the WAG 10 OU 10-04 ROD (DOE-ID 2002) and consolidates IC requirements.

This sitewide IC plan addresses IC sites that are currently identified. Future revisions of this plan will reflect changes that may have occurred to IC sites either through addition of new sites requiring ICs or deletion of sites that no longer require ICs. Future revisions of this plan will also incorporate changes in ICs that may arise as RODs for individual OUs are integrated into comprehensive RODs, or as agreements are made with the agencies that modify IC requirements. The *INEEL Comprehensive Facility and Land Use Plan* (CFLUP), (DOE-ID 1997) will support this plan by listing current and projected facility and land uses, and tracking the institutionally controlled areas.

Commitments made in decision documents to implement ICs through instruments controlling rights in real property, including deeds, restrictive covenants, and leases, remain subject to federal statutes, regulations, and other applicable laws governing the disposition of real property, including general policies on real property of the Department of Interior Bureau of Land Management (BLM), the General Services Administration (GSA), and the DOE. This IC plan is not itself a ROD or a decision document. The authority for IC activities derives from decision documents.

This document will be updated on a five-year basis, in conjunction with the five-year reviews, or as needed to incorporate Agency agreements or changes to decision documents. Specific sites that need revision, such as new sites or sites that no longer require control, will be revised in the CFLUP following notification to the Agencies. New sites and deleted sites accumulated in the electronic database will be listed in the report following the annual review of ICs.

## 2. INSTITUTIONAL CONTROLS

The 1999 EPA “Region 10 Final Policy on the use of Institutional Controls at Federal Facilities” (EPA 1999) states that ICs:

“... generally include all non-engineered restrictions on activities, access, or exposure to land, groundwater, surface water, waste and waste disposal areas, and other areas or media. Some common examples of tools to implement ICs include restrictions on use or access, zoning, governmental permitting, public advisories, or installation master plans. ICs may be temporary or permanent restrictions or requirements.”

The 2003, DOE policy “Use of Institutional Controls” (DOE P 454.1) adds that ICs:

“... may include administrative or legal controls, physical barriers or markers, and methods to preserve information and data, and inform current and future generations of hazards and risks.”

Based on previous CERCLA risk assessments and remedial action objectives for the INEEL, it is anticipated that land within the INEEL will not be released for residential use until after at least 100 years of government control. The earliest date that 100 years of government control will be achieved is 2095, however it is anticipated that some facilities at the INEEL will remain under government control past that date. Consequently, controls on property lease or transfers, and land owner limitations are not likely to be of concern until land is released from government control. However, any changes to these assumptions will be reflected in future revisions of the document. Institutionally controlled sites will not be leased or transferred at until at least the year 2095. Consequently, institutional controls at the INEEL are divided into two categories, physical and administrative/legal controls Presented in Table 2-1.

Table 2-1. Types of institutional controls at the INEEL.

Institutional Control Type	Control Mechanism
Physical Controls	Warning signs <sup>a</sup> Fences Permanent markers
Administrative/Legal Controls	Zoning Governmental permitting Public advisories

a. The INEEL has adopted a standardized format for IC signs, discussed in Appendix C.

Established IC requirements are specified in final CERCLA decision documents or RCRA permits and are based on a number of factors, including an evaluation of residual contamination, the spatial location of that material (e.g., at the surface or at depth), reasonably anticipated future human land uses, and environmental impacts. If, upon completion of a selected remedy, sites can't be released for unrestricted human use, ICs are implemented to protect human health and the environment.



## **3. RESPONSIBILITIES**

### **3.1 DOE Idaho Operations Office Responsibilities**

Institutional controls at the INEEL Site are established through an agreement between DOE, EPA, and DEQ, and documented in a ROD, ROD amendment, ESD, or other decision document. However, DOE is the primary agency responsible for implementation, oversight, integration, maintenance, and compliance with IC requirements at the INEEL Site, and communication with state, local, tribal, and federal government agencies. While DOE Idaho has ownership for the implementation and maintenance of Institutional Controls, the actions that provide for implementation and maintenance are performed under contracts issued by DOE Idaho. As new sites requiring ICs are identified, and as cleanup projects progress, ICs will be implemented as described in this plan.

DOE Idaho will adhere to the IC requirements specified in decision documents and this plan by utilizing internal procedures, Federal Register (FR) notices, informational announcements, and contracts, consistent with all applicable laws, regulations, agreements, and consent orders. Contractors are required to comply with applicable environmental laws, DOE orders, and administrative orders via contract requirements with DOE Idaho.

DOE Idaho is responsible for the following:

- Ensuring the IC activities are performed in accordance with the approved IC plan, including implementation, performance, inspection, and reporting
- Ensuring that relevant DOE orders, directives, and policy are enforced
- Ensuring that National Environmental Policy Act (NEPA) requirements are followed
- Ensuring that site ICs are maintained
- Notifying EPA and DEQ of failed ICs
- Conducting assessments using personnel trained to the requirements of the approved IC plan
- Implementing corrective actions to address failure of ICs, and providing updated IC site information to the CFLUP coordinator, as required
- Developing and transmitting the annual IC assessment reports, and CERCLA five-year remedy review reports to EPA and DEQ
- Ensuring document control of this institutional controls plan (includes revisions), annual IC monitoring reports, and CERCLA five-year remedy review reports, including their placement in the project file and in the information repository.

DOE Idaho executes work through the use of contractors. DOE Idaho is responsible for ensuring that the contractors adhere to all applicable requirements.

### **3.2 Contractor Responsibilities**

Institutional controls may be in effect during remedial action prior to site transition into the ICP stewardship program, or following remedial actions and site transfer. Although ICs responsibilities

ultimately reside with DOE Idaho, the actions that provide for implementation and maintenance are performed under contracts issued by DOE Idaho. The contractor responsibilities for ICs are divided into two phases (before site transition, and after site transition) and are discussed in Sections 3.2.1, and 3.2.2. Upon completion of remedial actions, responsibility for IC sites will transfer from the ICP subprojects to the ICP stewardship program. Sites will transition to ICP stewardship as OUs are completed and in accordance with the ICP specific regulatory documents and the INEEL-wide transition plan (currently under preparation).

### **3.2.1 Before Site Transition**

Prior to site transition from the ICPs into the stewardship program, the ICPs retain ownership of the sites and the responsibility for interfacing with DOE. Therefore, as directed by DOE, the ICPs will be responsible for identification, implementation, evaluation, maintenance, documentation, and record keeping of IC sites at the INEEL. IC services provided by the stewardship program include assessment of ICs, preparation of the Sitewide IC report, record keeping for the ICs, communicating deficiencies or failed ICs to the responsible ICP, and consultation with the ICPs on appropriate responses to these deficiencies/failures. However, the ICPs are responsible for communicating the failures to DOE, and for implementing corrective actions for failed ICs as agreed to by the DOE, EPA, and DEQ.

### **3.2.2 After Site Transition**

Once sites have been transitioned from the ICPs into the stewardship program, responsibility for identification, implementation, evaluation, maintenance, documentation of the status of IC sites, communication of failed ICs, and implementation of corrective actions for failed ICs resides with the stewardship program. The stewardship program will interface with DOE Idaho and will implement corrective actions for failed ICs, although corrective action will be implemented under the operations and maintenance program. The primary operational functions within the stewardship organization at the INEEL Site consist of the following:

- Operation and Maintenance—Operation and maintenance consists of operations and maintenance of systems and components of long-term remedial actions, maintenance and repair of engineered remedies, and maintenance and repair of failed physical institutional controls, and preparation of status reports summarizing results of operations and maintenance activities.
- Surveillance and Monitoring—Surveillance and monitoring consists of groundwater sampling, environmental monitoring, and preparation of status reports summarizing the analytical results of the monitoring activities.
- Institutional controls—Institutional controls consists of implementation and evaluation of institutional control measures, preparation of status reports summarizing the results of the IC evaluation. Institutional controls also consist of implementation of institutional controls at newly identified sites, and interfacing with DOE Idaho to negotiate corrective actions for failed controls.

Figure 3-1 illustrates the flow process for evaluation, maintenance, and reporting of ICs at the INEEL Site.

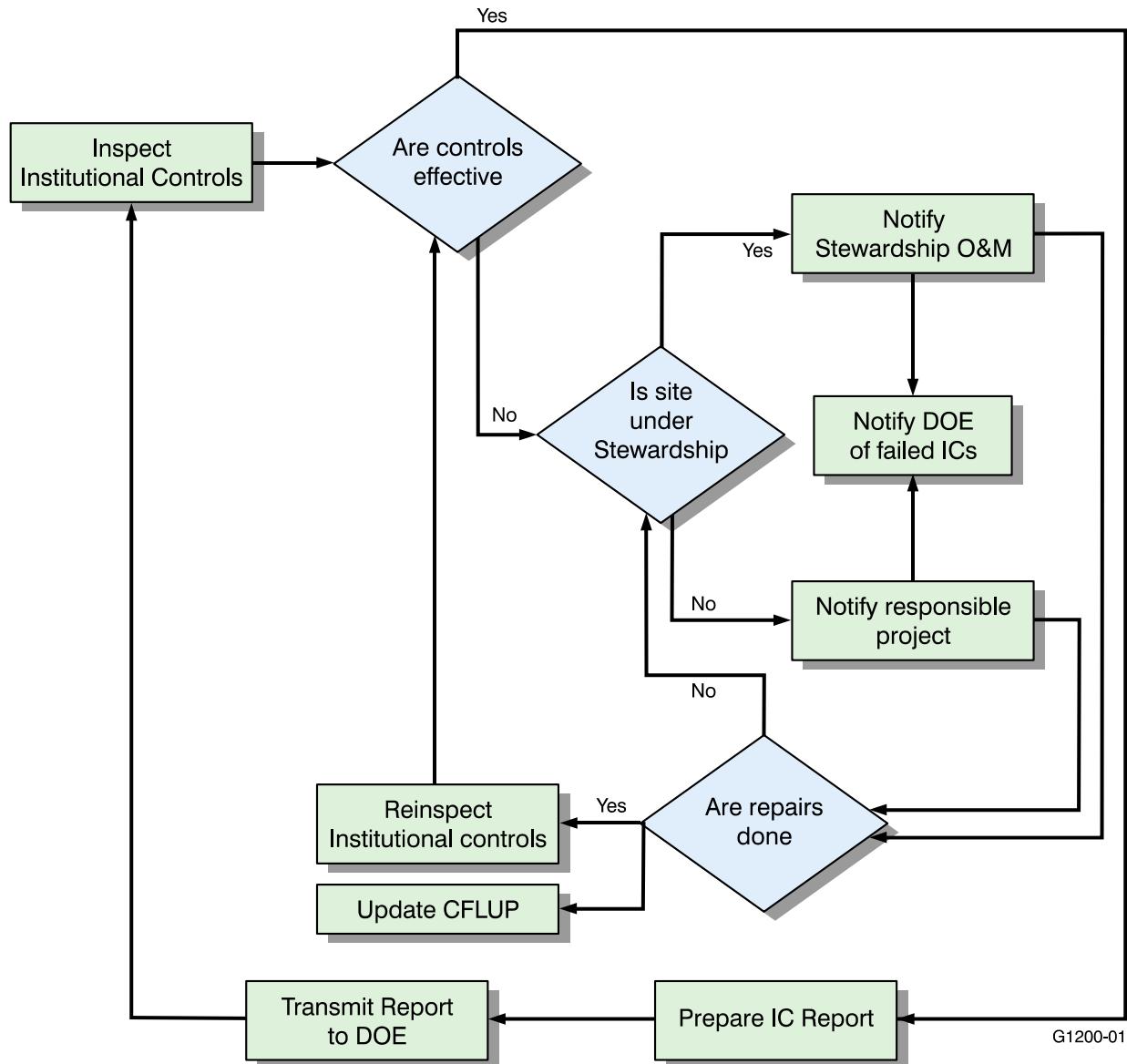


Figure 3-1. Flow process for evaluation, maintenance, and reporting of ICs.

### 3.3 Regulatory Agencies Responsibilities

The EPA and DEQ are the primary regulatory agencies that oversee INEEL Site cleanup activities in accordance with CERCLA § 120 and the FFA/CO. DOE Idaho is required by the FFA/CO to obtain agency approval and concurrence on the selected remedial actions in accordance with the requirements of CERCLA § 120 and the NCP. In addition, the regulatory agencies review and comment on the IC assessment reports and the CERCLA required five-year reviews, and can propose additional work or modifications to primary documents in accordance with Paragraphs 8.21 to 8.24, 15.1 to 15.4, and 22.1 of the FFA/CO (DOE-ID 1991).



## 4. SITEWIDE IC REQUIREMENTS

INEEL-wide requirements are established in Section 11.2 of the *Record of Decision for the Experimental Breeder Reactor-1/BORAX Reactor Experiment Area and Miscellaneous Sites* (WAG 6 OU 6-05 and WAG 10 OU 10-04) (DOE-ID 2002). The control requirements specify that this plan address the following:

- “A comprehensive listing of all areas or locations on the INEEL that have ICs for protection of human health or the environment. The information on the list will include, at a minimum, the location of the area, the objectives of the restriction or control, the timeframe during which the restrictions apply, and the tools and procedures that will be applied to implement the restrictions or controls and to evaluate the effectiveness of these restrictions or controls.” (Appendix A)
- “Identification, made legally binding where appropriate, of all entities and persons, including but not limited to, employees, contractors, lessees, agents, licensees, and invitees relevant to INEEL and WAGs 6 and 10 institutional controls.” (Section 3)
- “Identification of all activities, and reasonably anticipated future activities, including, but not limited to, soil disturbance, routine and non-routine utility work, well placement and drilling, grazing activities, groundwater withdrawals, paving, construction, renovation work on structures, or other activities that could occur on INEEL CERCLA sites with ICs.” (Section 6)

**NOTE:** *Soil disturbances are currently a required institutional control for WAG 3. Consequently the WAG 3 soil disturbance process is presented in Appendix F, and will be implemented by WAG 3.*

- “A tracking mechanism that identifies all land areas under restriction or control.” (Section 4.3)
- “A process to promptly notify both EPA and the State of Idaho before any anticipated change in land-use designation, restriction, land users, or activity for any IC required by a decision document.”(Section 4.3)
- “... incorporate by reference the INEEL Land Use Plan, DOE/ID-10514, installation maps, a comprehensive permitting system, and other installation policies and orders. (Section 6).

The ROD also commits DOE Idaho to notify EPA and the DEQ upon discovery of any deficiencies or activities that are inconsistent with IC objectives, or upon discovery of a change in land use or land-use designation. For the purposes of this plan, timely notification of minor deficiencies will be considered adequate if DOE Idaho makes the notification during the first routine (e.g., weekly) remediation conference call following the discovery of an inconsistency. DOE Idaho shall report major deficiencies to EPA and DEQ by telephone, fax, or email within two working days of the discovery. Major deficiencies may result in changes to site ICs that would require preparation of an ESD, or other decision document. These time frames should allow DOE Idaho enough time to obtain additional information about the inconsistency and prepare the pertinent information for discussion with the agencies.

The ROD also specifies that the ICs assessment report must contain, at a minimum, the following:

- “A description of the means employed to meet IC requirements”
- “A description of the means employed to meet waste site-specific objectives, including results of visual field inspections of all areas subject to operable waste-specific restrictions”

- “An evaluation of the effectiveness of the approach at meeting all WAG-wide IC requirements and waste site-specific objectives”
- “A description of any deficiencies and the approach and efforts or measures that have been or will be taken to correct problems.”

This plan addresses the requirements stated above and demonstrates how DOE Idaho will implement and maintain the IC requirements at the INEEL Site. This plan will be reviewed after each five-year review period at a minimum, and revised, as necessary, to address new IC requirements and/or changes in the IC requirements. Minor or insignificant changes will be agreed upon with the agencies and implemented only after agreement with the agencies. The discussions and agreement for minor changes will be documented in the minutes of the routine (e.g., weekly) remediation conference call. In accordance with the OU 10-04 ROD (DOE-ID 2002) requirement to develop an INEEL-wide IC plan, this plan will integrate previously issued CERCLA IC plans and the portions of CERCLA operation and maintenance plans that include ICs. Refer to Appendix B for a listing of these documents.

## **4.1 IC Assessment**

Following implementation of ICs it is critical to ensure the effectiveness of the IC in protecting human health and the environment, and/or protection of the engineered remedy, through an annual assessment process. The purpose of this assessment process is to determine whether IC mechanisms remain in place, and if the ICs are providing the protection required by the remedy. The assessment process may include site visits to determine if physical controls are in place and functioning as intended, review of documentation to determine whether inappropriate land or resource use is occurring, review of legal and administrative documentation to determine whether proprietary controls have been modified or terminated. The assessment will be documented on assessment checklists. See Appendix D for an example of an assessment checklist.

EPA guidance provides that after a facility’s comprehensive facility-wide approach to ICs is established and the facility has demonstrated its effectiveness at implementing, evaluating, and maintaining the ICs, the frequency of future monitoring reports may be modified subject to approval by EPA and DEQ. Therefore, as remedial actions at the ICPs are completed, and evaluation and maintenance of ICs becomes routine, the frequency of the annual review cycle may be modified as agreed to by DOE, EPA, and DEQ.

## **4.2 Response to Failed Controls/Corrective Action**

Failed controls are most likely to be found during the annual assessments; however, failed controls may be discovered at any time. Personnel identifying a failed control will notify DOE Idaho as the point of contact. DOE Idaho will notify the EPA and the DEQ within two business days after discovery of any major activity (e.g., unauthorized well drilling, intrusion into engineered covers, change in land use from industrial to residential) inconsistent with the specific institutional controls for a site or of any change in the land use or land use designation of a site addressed in the ROD and listed in the CFLUP. Minor inconsistencies (e.g., signs down or missing) will be resolved as necessary. If minor inconsistencies are identified during the annual assessment, they will be noted, and resolution will be identified in the annual IC report.

If the DOE Idaho believes that an emergency exists, the DOE Idaho can respond to the emergency immediately before notification to the EPA and the DEQ and need not wait for any EPA or DEQ input to determine a plan of action. The DOE Idaho will identify the root cause of the IC process failure, evaluate

how to correct the process to avoid future problems, and implement these changes after consulting with the EPA and the DEQ.

### **4.3 Changing/Terminating Institutional Controls**

Institutional controls are required as long as land use or access restrictions are necessary to maintain protection of human health and the environment. New sites that are determined to require institutional controls will be included in this plan and in the CFLUP as ROD-pending institutional control sites. Institutional controls and new sites will be established through an agreement between DOE, EPA, and DEQ and will be documented in a decision document. Such sites will be included in the CFLUP, and reported in the annual IC summary report.

The adequacy of the continued use of ICs for each site will be evaluated during the annual IC assessments and the five-year review process. Based on annual inspections and results of five-year reviews, sites may be determined to no longer require ICs. Therefore, the five-year review process provides the mechanism for terminating ICs, and documenting that the parties of the FFA/CO approve of terminated ICs. Consequently, ICs will be modified upon completion and approval of a five-year review. RODs specify that ICs will be deleted or terminated during the five-year review when the parties to the FFA/CO agree to the deletion or termination. Since the CFLUP lists the required ICs, changes or terminations agreed to by the Agencies will be documented during the annual review and update of the CFLUP. Changes to ICs will also be updated in future revisions of this plan. In this way, the CFLUP supports the requirements of the institutional controls plan in tracking ICs.

### **4.4 New Institutionally Controlled Sites**

All institutionally controlled sites at the INEEL that are currently identified within a decision document are addressed in this plan and listed in Appendix A. However, it is likely that additional sites that will require ICs will be identified in the future. These sites and the applicable ICs will be established in a decision document. Future decision documents that institute, maintain, or evaluate institutional controls shall be consistent with this plan, and shall be integrated into future versions of this plan. As new sites requiring ICs are identified, they will be documented in the CFLUP, and updated in this plan during the routine revisions to the plan. New sites and deleted sites accumulated in the electronic database will be listed in the report following the annual review of the ICs.



## **5. REPORTING**

### **5.1 Institutional Controls Reports**

The IC assessment results will be used to develop a routine annual IC assessment report. The report will follow EPA Region 10 IC guidance and will be submitted annually as stated in the ROD (DOE-ID 2002). Guidance is also available from EPA, including “Institutional Controls: A Site Manager’s Guide to Identifying, Evaluating, and Selecting Institutional Controls at Superfund and RCRA Corrective Action Cleanups” (EPA 2000). The suggested outline for the report is provided in Appendix E. The report will be prepared on an exception basis. That is, the reports will summarize the assessment activities and report deficiencies. The deficiencies will be identified along with corrective actions, forecast completion dates for each corrective action, and a status of each corrective action if the specific action cannot be completed during the calendar year of the assessment. The specific site photographs and assessment checklists will be maintained in the project file and not routinely included in the reports unless these items are needed to clarify specific text in the reports. The project file will be made available at the INEEL Site for review by the agencies as necessary to allow the agencies to verify the assessment process.

If, at some time in the future, the frequency of the IC inspections is changed from annual inspections to another identified frequency, then the frequency of the IC reports will be modified to match.

### **5.2 Five-Year Reviews**

Section 121(c) of CERCLA, as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA), requires a review of every five years at sites that, after remedial actions, have remaining hazardous substances, pollutants, or contaminants. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) at 40 CFR 300.430 (f)(4)(ii) further provides that sites that, after remedial actions, have remaining hazardous substances, pollutants, or contaminants above levels that allow for unlimited use and unrestricted exposure, be reviewed every five years to ensure protection of human health and the environment. The five-year review requirement applies to all remedial actions selected under CERCLA § 121. The DOE Idaho will conduct a sitewide five-year review of institutional controls in accordance with any regulations, policies, and guidance applicable at the time. New sites that have been identified since the previous five-year review will be reported in the current five-year review, and sites for which IC requirements have been discontinued since the previous five-year review will be documented in the current report.



## **6. RECORD KEEPING**

A set of the records specific to this plan will be maintained in the ICP Stewardship project files. The documentation will include, but not be limited to, the following:

- This and subsequent revisions to this institutional controls plan
- Initial IC assessment report
- Routine periodic assessment checklists and photographs (project file only)
- Routine periodic IC assessment reports
- Five-year remedy review reports.

The CFLUP will complement and support this plan by providing current and projected facility and land uses. The CFLUP provides guidance on facility and land use at the INEEL through the 100-year (year 2095) scenario (DOE-ID 1997) and beyond, and will be used as mechanism for tracking changes to land use and controls. The portion of the CFLUP for institutional controlled areas will be reviewed and updated as necessary, to reflect changes in land uses and ICs that deal with land use. Information included in the IC portion of the CFLUP includes the following:

- CERCLA Site Name
- WAG under which ICs were developed
- Location of the site
- Description of the site
- Contact phone number
- Contaminants of concern
- ROD selected remedy
- Controls
- Objective of controls
- Timeframe
- Restrictions.

The CFLUP will be reviewed during IC assessments to determine whether the site and requirements data are current. The CFLUP is available at <http://cflup.inel.gov>. Agency-approved methods for public dissemination of information, such as fact sheets, will be used to notify the public of any change in land-use designation, restriction, land users, or activities.



## 7. REFERENCES

- 40 CFR 264.310, 2004, "Closure and Post-Closure Care," *Code of Federal Regulations*, Office of the Federal Register, April 6, 2004.
- 40 CFR 300, 2004, "National Oil and Hazardous Substances Pollution Contingency Plan," *Code of Federal Regulations*, Office of the Federal Register, June 4, 2004.
- 54 FR 134, 1989, "National Priorities List," *Federal Register*, Environmental Protection Agency, p. 29820, July 14, 1989.
- 42 USC 6901 et seq., 1976, "Resource Conservation and Recovery Act (Solid Waste Disposal Act)," *United States Code*, 1976.
- 42 USC 9601 et seq., 1980, "Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA/Superfund)," as amended, *United States Code*, 1980. (Note: The amendment is cited as "Superfund Amendments and Reauthorization Act of 1986 [SARA].")
- DOE P 454.1, 2003, "Use of Institutional Controls," U.S. Department of Energy, April 9, 2003.
- DOE-ID, 1991, *Federal Facility Agreement and Consent Order for the Idaho National Engineering Laboratory*, U.S. Department of Energy, U.S. Environmental Protection Agency Region 10, Idaho Department of Health and Welfare, Administrative Docket No. 1088-06-120, December 9, 1991.
- DOE-ID, 1997, *Idaho National Engineering and Environmental Laboratory Comprehensive Facility and Land Use Plan*, DOE/ID-10154, U.S. Department of Energy Idaho Operations Office, December 1997. (Official Use Only) Unclassified version available at: <http://cflup.inel.gov>.
- DOE-ID, 2002, *Record of Decision for Experimental Breeder Reactor I/Boiling Reactor Experiment Area and Miscellaneous Sites*, DOE/ID-10980, Rev. 0, U.S. Department of Energy Idaho Operations Office, November 2002.
- DOE-ID, 2004, *Risk-Based End State Vision for the Idaho National Engineering and Environmental Laboratory Site (Draft)*, DOE/ID-11110, Revision D, U.S. Department of Energy, Idaho Operations Office, Idaho Falls, Idaho, January 2004.
- EPA, 1999, "Region 10 Final Policy on the use of Institutional Controls at Federal Facilities," Office of Environmental Cleanup, Office of Waste and Chemicals Management, and Office of Regional Counsel, U.S. Environmental Protection Agency, Seattle, Washington, May 1999.
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- EPA, 2001, "The Comprehensive Five-Year Review Guidance," OSWER Directive 9355.7-03B-P, EPA 540-R-01-007, Office of Emergency and Remedial Response, U.S. Environmental Protection Agency, June 2001. (This replaces OSWER Directive 9355.7-02A, "Supplemental Five-Year Review Guidance," July 1994.) GDE-72, 2001, "Remedial Design and Remedial Action," Revision 0, *Manual 17—Project Management*, November 6, 2001.

GDE-72, 2001, "Remedial Design and Remedial Action," Revision 0, *Manual 17—Project Management*, November 6, 2001.

HWMA, 1983, "Hazardous Waste Management Act of 1983," Idaho Code Sections 39-4401 et seq., 1983.

MCP-3562, 2003, "Hazard Identification, Analysis and Control of Operational Activities," Revision 8, October 1, 2003.

PER-112, 2003, "Volume 21 – HWMA/RCRA Post-closure Permit for the INTEC WCF at the INEEL," Environmental Protection and Compliance, November 7, 2003.

**Appendix A**

**Institutional Controls Summary Table**



## Institution Controls Summary

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
<b>WAG 1 Test Area North</b>							
TSF-03	Burn Pit	Current DOE operations	Industrial	Lead	Limit exposure to contaminated soil, maintain integrity of native cover and/or engineered cover.	Visible access restrictions, control of activities.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
	DOE control postoperations		Industrial	Lead	Maintain integrity of native cover and/or engineered cover	Visible access restrictions, control of activities, property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
	Post-DOE control		Industrial	Lead	Maintain integrity of native cover and/or engineered cover.	Property transfer requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
TSF-05	TAN Injection Well	DOE control	Industrial	Radionuclides	Prevent consumption and use of groundwater >MCL and/or 1E-04 risk.	Visible access restrictions, control activities, prevent well drilling, property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
	Post-DOE control		Industrial	Radionuclides	Prevent consumption and use of groundwater >MCL and/or 1E-04 risk.	Property transfer requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
TSF-06 Area 1	Area northeast of turntable	DOE control	Industrial	Radionuclides	Limit exposure to contaminated soil, ensure land use is appropriate.	Visible access restrictions, control of activities, property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
	Post-DOE control		Industrial	Radionuclides	Ensure land use is appropriate.	Property transfer requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
TSF-06 Area 5	Radioactive soil berm	DOE control	Industrial	Radionuclides	Limit exposure to contaminated soil, ensure land use is appropriate.	Visible access restrictions, control of activities, property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)

a. Source reference documents are listed in Appendix B.

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
	Post-DOE control	Industrial	Radionuclides	Ensure land use is appropriate.	Property transfer requirements.		OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
TSF-06 Area 10	Reactor vessel burial site	DOE control	Industrial	Radionuclides	Limit exposure to contaminated soil, ensure land use is appropriate.	Visible access restrictions, control activities, property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050) OU 1-10 ROD Amendment (DOE/ID-10682) Table 11-4.
	Post-DOE control	Industrial	Radionuclides	Ensure land use is appropriate.	Property transfer requirements.		OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050) OU 1-10 ROD Amendment (DOE/ID-10682) Table 11-4.
TSF-06 Area 11	Contaminated ditch	DOE control	Industrial	Radionuclides	Limit exposure to contaminated soil, ensure land use is appropriate.	Visible access restrictions, control activities, property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050) OU 1-10 ROD Amendment (DOE/ID-10682) Table 11-4.
	Post-DOE control	Industrial	Radionuclides	Ensure land use is appropriate.	Property transfer requirements.		OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
TSF-06 Area B	Area south of turntable	Current DOE operations	Industrial - Radiologically controlled area	Radionuclides	Limit direct exposure to radiologically contaminated soil.	Visible access restrictions, control activities.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
	DOE control postoperations	Industrial - Radiologically controlled area	Radionuclides	Ensure land use is appropriate if contamination is left in place.	Property lease requirements.		OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
	Post-DOE control	Industrial - Radiologically controlled area	Radionuclides	Ensure land use is appropriate if contamination is left in place.	Property transfer requirements.		OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
TSF-07	Disposal Pond	Current DOE operations	Industrial - Radiologically controlled area	Radionuclides	Limit direct exposure to radiologically contaminated soil.	Visible access restrictions, control activities.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
	DOE control postoperations	Industrial - Radiologically controlled area	Radionuclides	Limit direct exposure to radiologically contaminated soil.	Visible access restrictions, control activities, property lease requirements.		OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
	Post-DOE control	Industrial	Radionuclides	Limit direct exposure to radiologically contaminated soil.	Property transfer requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)	
TSF-08	Mercury spill	DOE control	Industrial	Radionuclides	Limit exposure to contaminated soil, ensure land use is appropriate.	Visible access restrictions, control of activities, property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
	Post-DOE control	Industrial	Radionuclides	Ensure land use is appropriate.	Property transfer requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)	
TSF-09	V-tanks V-1, V-2, and V-3	Current DOE operations	Industrial - Radiologically controlled area	Radionuclides	Limit direct exposure to radiologically contaminated soil.	Visible access restrictions, control activities.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
	DOE control postoperations	Industrial - Radiologically controlled area	Radionuclides	Ensure land use is appropriate if contamination is left in place.	Property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)	
	Post-DOE control	Industrial - Radiologically controlled area	Radionuclides	Ensure land use is appropriate if contamination is left in place.	Property transfer requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)	
TSF-10	Drainage pond	DOE control	Industrial	Radionuclides	Limit exposure to contaminated soil, ensure land use is appropriate.	Visible access restrictions, control of activities, property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
	Post-DOE control	Industrial	Radionuclides	Ensure land use is appropriate.	Property transfer requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)	
TSF-18	V-tank V-9	Current DOE operations	Industrial - Radiologically controlled area	Radionuclides	Limit direct exposure to radiologically contaminated soil.	Visible access restrictions, control activities.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
	DOE control postoperations	Industrial - Radiologically controlled area	Radionuclides	Ensure land use is appropriate if contamination is left in place.	Property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)	
	Post-DOE control	Industrial - Radiologically controlled area	Radionuclides	Ensure land use is appropriate if contamination is left in place.	Property transfer requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)	

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
TSF-23	Groundwater contamination	DOE control	Industrial	Radionuclides	Prevent consumption and use of groundwater >MCL and/or 1E-04 risk.	Visible access restrictions, control activities, prevent well drilling, property lease requirements, prohibit activities that interfere with active remediation.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
		Post-DOE control	Industrial	Radionuclides	Prevent consumption and use of groundwater >MCL and/or 1E-04 risk.	Property transfer requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
TSF-26	PM 2A area	Current DOE operations	Industrial - Radiologically controlled area	Radionuclides	Limit direct exposure to radiologically contaminated soil.	Visible access restrictions, control activities.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
		DOE control postoperations	Industrial - Radiologically controlled area	Radionuclides	Ensure land use is appropriate if contamination is left in place.	Property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
		Post-DOE control	Industrial - Radiologically controlled area	Radionuclides	Ensure land use is appropriate if contamination is left in place.	Property transfer requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
TSF-28	Sewage treatment plant	DOE control	Industrial	Radionuclides	Limit exposure to contaminated soil, ensure land use is appropriate.	Visible access restrictions, control of activities, property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
		Post-DOE control	Industrial	Radionuclides	Ensure land use is appropriate.	Property transfer requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
TSF-29	Acid pond	DOE control	Industrial	Radionuclides	Limit exposure to contaminated soil, ensure land use is appropriate.	Visible access restrictions, control of activities, property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
		Post-DOE control	Industrial	Radionuclides	Ensure land use is appropriate.	Property transfer requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
TSF-39	Asbestos in gravel pit	DOE control	Industrial	Radionuclides	Limit exposure to contaminated soil, ensure land use is appropriate.	Visible access restrictions, control of activities, property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
	Post-DOE control		Industrial	Radionuclides	Ensure land use is appropriate.	Property transfer requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
TSF-42	Contaminated pipe	DOE control	Industrial	Radionuclides	Limit exposure to contaminated soil, ensure land use is appropriate.	Visible access restrictions, control of activities, property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
	Post-DOE control		Industrial	Radionuclides	Ensure land use is appropriate.	Property transfer requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
TSF-43	RPSSA building and DOE control pad		Industrial	Radionuclides	Limit exposure to contaminated soil, ensure land use is appropriate.	Visible access restrictions, control of activities, property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
	Post-DOE control		Industrial	Radionuclides	Ensure land use is appropriate.	Property transfer requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
IET-04	IET stack rubble site	DOE control	Industrial	Radionuclides	Limit exposure to contaminated soil, ensure land use is appropriate.	Visible access restrictions, control of activities, property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
	Post-DOE control		Industrial	Radionuclides	Ensure land use is appropriate.	Property transfer requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
WRRTF-01	Burn pits	Current DOE operations	Industrial	Lead	Limit exposure to contaminated soil, maintain integrity of native cover and/or engineered cover.	Visible access restrictions, control of activities.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
	DOE control postoperations		Industrial	Lead	Maintain integrity of native cover and/or engineered cover.	Visible access restrictions, control of activities, property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
	Post-DOE control	Industrial	Lead	Maintain integrity of native cover and/or engineered cover.	Property transfer requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)	
WRRTF-13	WRRTF Fuel Leak	Current DOE operations	Industrial	Fuel	Limit exposure to contaminated soil.	Visible access restrictions, control of activities.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)
	DOE control postoperations	Industrial	Fuel	Ensure land use is appropriate if contamination is left in place.	Property lease requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)	
	Post-DOE control	Industrial	Fuel	Ensure land use is appropriate if contamination is left in place.	Property transfer requirements.	OU 1-10 ROD (DOE/ID-10682) Pages vii, and Table 12-2, OU 1-10 ESD (DOE/ID-11050)	
<b>WAG 2 Test Reactor Area</b>							
TRA-03	Warm Waste Pond	Current DOE operations	Prevent unauthorized intrusion into the capped area	Radionuclides	Maintain integrity of contaminant barrier.	Visible access restrictions, control drilling and excavating activities, maintain site status in CFLUP.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13
	DOE control postoperations	Prevent unauthorized intrusion into the capped area	Radionuclides	Maintain integrity of contaminant barrier.	Visible access restrictions, control drilling and excavating activities, property lease restrictions, notice to stakeholders.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13	
	Post-DOE control	Prevent unauthorized intrusion into the capped area	Radionuclides	Maintain integrity of contaminant barrier.	Property transfer restrictions, notice to stakeholders.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13	
TRA-04	Warm Waste Retention Area	Current DOE operations	Industrial	Radionuclides	Limit exposure to contaminated soil.	Visible access restrictions, control drilling and excavating activities.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>	
	DOE control postoperations	Industrial	Radionuclides	Limit exposure to contaminated soil.	Visible access restrictions, control drilling and excavating activities, property lease restrictions.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13		
	Post-DOE control	Industrial	Radionuclides	Limit exposure to contaminated soil.	Property transfer requirements.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13		
TRA-06	Chemical Waste Pond	DOE control postoperations	Limited residential	Mercury	Limit residential land use.	Visible access restrictions, property lease requirements.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13	
	Post-DOE control	Limited residential	Mercury	Limit residential land use.	Property transfer requirements.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13		
TRA-08	Cold Waste Pond	DOE control postoperations	Industrial	Radionuclides	Control land as industrial until residential risk is less than 1E-04.	Property lease requirements.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13	
TRA-13	Sewage Leach Pond	Current DOE operations	Landfill--Prevent unauthorized intrusion into the capped area	Radionuclides	Maintain integrity of contaminant barrier.	Visible access restrictions, control drilling and excavating activities, maintain site status in CFLUP.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13	
	DOE control postoperations	Landfill--Prevent unauthorized intrusion into the capped area	Radionuclides	Maintain integrity of contaminant barrier.	Visible access restrictions, control drilling and excavating activities, property lease restrictions, notice to stakeholders.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13		
	Post-DOE control	Landfill--Prevent unauthorized intrusion into the capped area	Radionuclides	Maintain integrity of contaminant barrier.	Property transfer restrictions, notice to stakeholders.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13		

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
TRA-13 SCA	Sewage Leach Ponds Berm and Soil Contamination Area	Current DOE operations	Industrial	Radionuclides	Limit exposure to contaminated soil.	Visible access restrictions, control drilling and excavating activities.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13
TRA-15	Soil at Hot Waste Tanks at TRA-613	Current DOE operations	Industrial	Radionuclides	Limit exposure to contaminated soil.	Visible access restrictions, control drilling and excavating activities.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13
		DOE control postoperations	Industrial	Radionuclides	Limit exposure to contaminated soil.	Visible access restrictions, control drilling and excavating activities, property lease restrictions.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13
		Post-DOE control	Industrial	Radionuclides	Limit exposure to contaminated soil.	Property transfer requirements.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13
TRA-19	Soil at Tanks 1-2 at TRA-630	Current DOE operations	Industrial	Radionuclides	Limit exposure to contaminated soil.	Visible access restrictions, control of drilling and excavation activities.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13
		DOE control postoperations	Industrial	Radionuclides	Limit exposure to contaminated soil.	Visible access restrictions, control of drilling and excavation activities, property lease requirements.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13
		Post-DOE control	Industrial	Radionuclides	Limit exposure to contaminated soil.	Property transfer requirements.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13
TRA-34	North Storage Area	DOE control postoperations	Industrial	Radionuclides	Control land as industrial until residential risk is less than 1E-04.	Property lease requirements.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13
TRA-619	PCB Spill	DOE control postoperations	Industrial	PCBs	Control land as industrial.	Property lease requirements.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
		Post-DOE control	Industrial	PCBs	Ensure land use is appropriate.	Property transfer requirements.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13
TRA-626	PCB Spill	DOE control postoperations	Industrial	PCBs	Control land as industrial.	Property lease requirements.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13
		Post-DOE control	Industrial	PCBs	Ensure land use is appropriate.	Property transfer requirements.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13
TRA-653	PCB Spill	DOE control postoperations	Industrial	PCBs	Control land as industrial.	Property lease requirements.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13
		Post-DOE control	Industrial	PCBs	Ensure land use is appropriate.	Property transfer requirements.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13
TRA-GW	TRA perched water and Snake River Plain Aquifer	Current DOE operations	Groundwater use	Tritium, chromium	Prevent consumption of groundwater that is greater than MCLs.	Control activities, document in CFEJUP.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13
		DOE control postoperations	Groundwater use	Tritium, chromium	Prevent consumption of groundwater that is greater than MCLs.	Control activities, property lease requirements.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13
TRA-X	Hot Tree Site	DOE control postoperations	Industrial	Radionuclides	Control land as industrial until residential risk is less than 1E-04.	Property lease requirements.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13
TRA-Y	Brass Cap Area	Current DOE operations	Industrial	Radionuclides	Limit exposure to contaminated soil.	Visible access restrictions, control of drilling and excavation activities.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
	DOE control postoperations	Industrial	Radionuclides	Limit exposure to contaminated soil.	Visible access restrictions, control of drilling and excavation activities, property lease requirements.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13	
	Post-DOE control	Industrial	Radionuclides	Limit exposure to contaminated soil.	Property transfer requirements.	Section 8 of the OU 2-13 ROD (DOE/ID-10586) and Appendix B of ESD (DOE/ID-10744) to the ROD for TRA OU 2-13	
WAG 3 Idaho Nuclear Technology and Engineering Center							
Group 1	Tank Farm Soils						
CPP-26	Contaminated soil in Current DOE operations until final actions are implemented	Industrial radiologically controlled area	Radionuclides and metals	Prevent intrusion into the underlying contaminated soils.	Visible access restrictions, control activities.	OU3-13 ROD (DOE/ID-10660) Pages iv, 4-3, and Table 11-1	
CPP-27	Contaminated soil in Current DOE operations until final actions are implemented	Industrial radiologically controlled area	Radionuclides and metals	Prevent intrusion into the underlying contaminated soils.	Visible access restrictions, control activities.	OU3-13 ROD (DOE/ID-10660) Pages iv, 4-3, and Table 11-1	
CPP-28	Contaminated soil in Current DOE operations until final actions are implemented	Industrial radiologically controlled area	Radionuclides and metals	Prevent intrusion into the underlying contaminated soils.	Visible access restrictions, control activities.	OU3-13 ROD (DOE/ID-10660) Pages iv, 4-3, and Table 11-1	
CPP-30	Contaminated soil in Current DOE operations until final actions are implemented	Industrial radiologically controlled area	Radionuclides and metals	Prevent intrusion into the underlying contaminated soils.	Visible access restrictions, control activities.	OU3-13 ROD (DOE/ID-10660) Pages iv, 4-3, and Table 11-1	
CPP-31	Contaminated soil in Current DOE operations until final actions are implemented	Industrial radiologically controlled area	Radionuclides and metals	Prevent intrusion into the underlying contaminated soils.	Visible access restrictions, control activities.	OU3-13 ROD (DOE/ID-10660) Pages iv, 4-3, and Table 11-1	
CPP-32	Contaminated soil in Current DOE operations until final actions are implemented	Industrial radiologically controlled area	Radionuclides and metals	Prevent intrusion into the underlying contaminated soils.	Visible access restrictions, control activities.	OU3-13 ROD (DOE/ID-10660) Pages iv, 4-3, and Table 11-1	
CPP-33	Contaminated soil in Current DOE operations until final actions are implemented	Industrial radiologically controlled area	Radionuclides and metals	Prevent intrusion into the underlying contaminated soils.	Visible access restrictions, control activities.	OU3-13 ROD (DOE/ID-10660) Pages iv, 4-3, and Table 11-1	
CPP-58	Contaminated soil in Current DOE operations until final actions are implemented	Industrial radiologically controlled area	Radionuclides and metals	Prevent intrusion into the underlying contaminated soils.	Visible access restrictions, control activities.	OU3-13 ROD (DOE/ID-10660) Pages iv, 4-3, and Table 11-1	

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
CPP-79	Contaminated soil in the Tank Farm	Current DOE operations until final actions are implemented	Industrial radiologically controlled area	Radionuclides and metals	Prevent intrusion into the underlying contaminated soils.	Visible access restrictions, control activities.	OU3-13 ROD (DOE/ID-10660) Pages iv, 4-3, and Table 11-1
CPP-96	Contaminated soil in the Tank Farm	Current DOE operations until final actions are implemented	Industrial radiologically controlled area	Radionuclides and metals	Prevent intrusion into the underlying contaminated soils.	Visible access restrictions, control activities.	OU3-13 ROD (DOE/ID-10660) Pages iv, 4-3, and Table 11-1
<b>Group 2</b>	<b>Soils under buildings and structures</b>						
CPP-02	French drain	Current DOE operations prior to D&D of buildings	Industrial radiologically controlled area	Radionuclides and metals	Limit access to only authorized personnel.	Visible access restrictions, control of drilling and excavation activities.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
		Current DOE operations after D&D of buildings	Industrial landfill--no unauthorized intrusions into capped area	Radionuclides and metals	Limit direct exposure to underlying radiologically contaminated soil areas, limit water recharge activities adjacent to Group 2 buildings, maintain integrity of the cap.	Visible access restrictions, control of drilling and excavation activities, notice to affected stakeholders.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
		DOE control postoperations	Industrial landfill--no unauthorized intrusions into capped area		Maintain the integrity of the cap.	Visible access restrictions, control of drilling and excavation activities, notice to affected stakeholders, property lease requirements for control of land use.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
CPP-41	Fire training pits	Current DOE operations prior to D&D of buildings	Industrial radiologically controlled area	Radionuclides and metals	Limit access to only authorized personnel	Visible access restrictions, control of drilling and excavation activities.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
		Current DOE operations after D&D of buildings	Industrial landfill--no unauthorized intrusions into capped area	Radionuclides and metals	Limit direct exposure to underlying radiologically contaminated soil areas, limit water recharge activities adjacent to Group 2 buildings, maintain integrity of the cap.	Visible access restrictions, control of drilling and excavation activities, notice to affected stakeholders.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
		DOE control postoperations	Industrial landfill--no unauthorized intrusions into capped area		Maintain the integrity of the cap.	Visible access restrictions, control of drilling and excavation activities, notice to affected stakeholders, property lease requirements for control of land use.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
CPP-60	Paint shop	Current DOE operations prior to D&D of buildings	Industrial radiologically controlled area	Radionuclides and metals	Limit access to only authorized personnel.	Visible access restrictions, control of drilling and excavation activities.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
		Current DOE operations after D&D of buildings	Industrial landfill--no unauthorized intrusions into capped area	Radionuclides and metals	Limit direct exposure to underlying radiologically contaminated soil areas, limit water recharge activities adjacent to Group 2 buildings, maintain integrity of the cap.	Visible access restrictions, control of drilling and excavation activities, notice to affected stakeholders.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
		DOE control postoperations	Industrial landfill--no unauthorized intrusions into capped area		Maintain the integrity of the cap.	Visible access restrictions, control of drilling and excavation activities, notice to affected stakeholders, property lease requirements for control of land use.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
CPP-68	Abandoned gasoline tank	Current DOE operations prior to D&D of buildings	Industrial radiologically controlled area	Radionuclides and metals	Limit access to only authorized personnel.	Visible access restrictions, control of drilling and excavation activities.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
		Current DOE operations after D&D of buildings	Industrial landfill--no unauthorized intrusions into capped area	Radionuclides and metals	Limit direct exposure to underlying radiologically contaminated soil areas, limit water recharge activities adjacent to Group 2 buildings, maintain integrity of the cap.	Visible access restrictions, control of drilling and excavation activities, notice to affected stakeholders.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
		DOE control postoperations	Industrial landfill--no unauthorized intrusions into capped area	Radionuclides and metals	Maintain the integrity of the cap.	Visible access restrictions, control of drilling and excavation activities, notice to affected stakeholders, property lease requirements for control of land use.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
CPP-80	Vent tunnel drain leak	Current DOE operations prior to D&D of buildings	Industrial radiologically controlled area	Radionuclides and metals	Limit access to only authorized personnel.	Visible access restrictions, control of drilling and excavation activities.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
		Current DOE operations after D&D of buildings	Industrial landfill--no unauthorized intrusions into capped area	Radionuclides and metals	Limit direct exposure to underlying radiologically contaminated soil areas, limit water recharge activities adjacent to Group 2 buildings, maintain integrity of the cap.	Visible access restrictions, control of drilling and excavation activities, notice to affected stakeholders.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
		DOE control postoperations	Industrial landfill--no unauthorized intrusions into capped area		Maintain the integrity of the cap.	Visible access restrictions, control of drilling and excavation activities, notice to affected stakeholders, property lease requirements for control of land use.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
CPP-85	WCR blower corridor	Current DOE operations prior to D&D of buildings	Industrial radiologically controlled area	Radionuclides and metals	Limit access to only authorized personnel.	Visible access restrictions, control of drilling and excavation activities.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
		Current DOE operations after D&D of buildings	Industrial landfill--no unauthorized intrusions into capped area	Radionuclides and metals	Limit direct exposure to underlying radiologically contaminated soil areas, limit water recharge activities adjacent to Group 2 buildings, maintain integrity of the cap.	Visible access restrictions, control of drilling and excavation activities, notice to affected stakeholders.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
		DOE control postoperations	Industrial landfill--no unauthorized intrusions into capped area		Maintain the integrity of the cap.	Visible access restrictions, control of drilling and excavation activities, notice to affected stakeholders, property lease requirements for control of land use.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
CPP-86	Waste trench sump	Current DOE operations prior to D&D of buildings	Industrial radiologically controlled area	Radionuclides and metals	Limit access to only authorized personnel.	Visible access restrictions, control of drilling and excavation activities.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
		Current DOE operations after D&D of buildings	Industrial landfill--no unauthorized intrusions into capped area	Radionuclides and metals	Limit direct exposure to underlying radiologically contaminated soil areas, limit water recharge activities adjacent to Group 2 buildings, maintain integrity of the cap.	Visible access restrictions, control of drilling and excavation activities, notice to affected stakeholders.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
		DOE control postoperations	Industrial landfill--no unauthorized intrusions into capped area		Maintain the integrity of the cap.	Visible access restrictions, control of drilling and excavation activities, notice to affected stakeholders, property lease requirements for control of land use.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
CPP-87	Cell sump and floor drain	Current DOE operations prior to D&D of buildings	Industrial radiologically controlled area	Radionuclides and metals	Limit access to only authorized personnel.	Visible access restrictions, control of drilling and excavation activities.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
		Current DOE operations after D&D of buildings	Industrial landfill--no unauthorized intrusions into capped area	Radionuclides and metals	Limit direct exposure to underlying radiologically contaminated soil areas, limit water recharge activities adjacent to Group 2 buildings, maintain integrity of the cap.	Visible access restrictions, control of drilling and excavation activities, notice to affected stakeholders.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
		DOE control postoperations	Industrial landfill--no unauthorized intrusions into capped area		Maintain the integrity of the cap.	Visible access restrictions, control of drilling and excavation activities, notice to affected stakeholders, property lease requirements for control of land use.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
CPP-89	Tunnel excavation	Current DOE operations prior to D&D of buildings	Industrial radiologically controlled area	Radionuclides and metals	Limit access to only authorized personnel.	Visible access restrictions, control of drilling and excavation activities.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
		Current DOE operations after D&D of buildings	Industrial landfill--no unauthorized intrusions into capped area	Radionuclides and metals	Limit direct exposure to underlying radiologically contaminated soil areas, limit water recharge activities adjacent to Group 2 buildings, maintain integrity of the cap.	Visible access restrictions, control of drilling and excavation activities, notice to affected stakeholders.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
		DOE control postoperations	Industrial landfill--no unauthorized intrusions into capped area		Maintain the integrity of the cap.	Visible access restrictions, control of drilling and excavation activities, notice to affected stakeholders, property lease requirements for control of land use.	OU3-13 ROD (DOE/ID-10660) Pages v, 4-7, and Table 11-1
<b>Group 3 Other soil site contamination &gt;10 ft after removal</b>							
CPP-01	East of CPP-603	DOE controls postoperations	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property lease requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
		Post-DOE controls	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
CPP-03	Southeast of CPP-603	DOE controls postoperations	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property lease requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
		Post-DOE controls	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
CPP-04	Soil around CPP-603 setting tank	DOE controls postoperations	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property lease requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
		Post-DOE controls	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
CPP-05	CPP-603 filter line failure	DOE controls postoperations	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property lease requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
		Post-DOE controls	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
CPP-08	Northeast corner of CPP-603	DOE controls postoperations	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property lease requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
		Post-DOE controls	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
CPP-09	Contaminates soils around CPP-603	DOE controls postoperations	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property lease requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
		Post-DOE controls	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
CPP-10	CPP-603 plastic pipeline break	DOE controls postoperations	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property lease requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
		Post-DOE controls	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
CPP-11	CPP-603 sludge release	DOE controls postoperations	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property lease requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
		Post-DOE controls	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
CPP-13	Northeast corner of CPP-633	DOE controls postoperations	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property lease requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
		Post-DOE controls	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
CPP-14	Sewage Treatment Plan	DOE controls postoperations	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property lease requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
		Post-DOE controls	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
CPP-19	Line leak	DOE controls postoperations	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property lease requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
		Post-DOE controls	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
CPP-34	Disposal trenches	DOE controls postoperations	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property lease requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
		Post-DOE controls	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
CPP-97	Tank Farm soil stockpiles	Post-DOE controls	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
		Post-DOE controls	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
CPP-98	Shoring boxes	Post-DOE controls	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
		Post-DOE controls	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
CPP-99	Boxed soils	Post-DOE controls	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
		Post-DOE controls	Industrial	Radionuclides	Ensure land use is appropriate if contamination left in place >10 ft.	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages vi, 4-2, 4-8, and Table 11-1
Group 4	Perched Water						
CPP-83	Strontium contaminated perched water	Current DOE operations	Industrial	Radionuclides	Prevent consumption and use of >MCL and/or >IE-04 risk drinking water.	Control of activities (drilling of wells for drinking), property lease requirements.	OU-3-13 ROD (DOE/ID-10660) Pages viii, 4-5, 4-9, and Table 11-1
		DOE control postoperations	Industrial	Radionuclides	Prevent consumption and use of >MCL and/or >IE-04 risk drinking water.	Control of activities (drilling of wells for drinking), property lease requirements.	OU-3-13 ROD (DOE/ID-10660) Pages viii, 4-5, 4-9, and Table 11-1
		Post-DOE controls	Residential	Radionuclides	Prevent drilling through contaminated interbeds and dragging contamination downhole to the aquifer.	Control of activities (drilling of wells for drinking), property lease requirements.	OU-3-13 ROD (DOE/ID-10660) Pages viii, 4-5, 4-9, and Table 11-1
Group 5	Snake River Plain Aquifer						
CPP-23	Injection well	Current DOE operations	Industrial	Radionuclides	Prevent consumption and use of >MCL and/or >IE-04 risk drinking water.	Control of activities (drilling of wells for drinking).	OU-3-13 ROD (DOE/ID-10660) Pages ix, 4-2, 4-9, and Table 11-1

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
		Post-DOE controls	Industrial	Radionuclides	Prevent consumption and use of >MCL &/or >1E-04 risk drinking water (NA after 100 years).	Property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages ix, 4-2, 4-9, and Table 11-1
Group 6	Buried Gas Cylinders						
CPP-84	Gas Cylinders	Current DOE operations	Industrial	Chemicals and explosives	Prevent access to sites.	Visible access restrictions.	OU-3-13 ROD (DOE/ID-10660) Pages ix, 4-5, 4-10, and Table 11-1
	Current DOE operations after cap construction/DOE control postoperations/post-DOE control	Industrial landfill--no unauthorized intrusions into capped area	Chemicals and explosives	Limit water recharge activities, maintain integrity of the cap.	Visible access restrictions, control of activities, notice to effected stakeholders, property transfer requirements.	Visible access restrictions, control of activities, notice to effected stakeholders, property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages ix, 4-5, 4-10, and Table 11-1
CPP-94	Gas Cylinders	Current DOE operations	Industrial	Chemicals and explosives	Prevent access to sites.	Visible access restrictions.	OU-3-13 ROD (DOE/ID-10660) Pages ix, 4-5, 4-10, and Table 11-1
	Current DOE operations after cap construction/DOE control postoperations/post-DOE control	Industrial landfill--no unauthorized intrusions into capped area	Chemicals and explosives	Limit water recharge activities, maintain integrity of the cap.	Visible access restrictions, control of activities, notice to effected stakeholders, property transfer requirements.	Visible access restrictions, control of activities, notice to effected stakeholders, property transfer requirements.	OU-3-13 ROD (DOE/ID-10660) Pages ix, 4-5, 4-10, and Table 11-1
Group 7	SFE 20 Hot Waste Tanks						
CPP-69	SFE 20 Hot Waste Tank System	Current DOE operations	Industrial radiologically controlled area	Radionuclides and metals	Prevent intrusion into underlying contaminated soils.	Visible assess restrictions, control activities (drilling or excavating).	OU-3-13 ROD (DOE/ID-10660) Pages x, 4-5, 4-10, and Table 11-1
	No further action sites						
CPP-06	Trench east of CPP-603	DOE control postoperations	Industrial radiologically controlled area	Radionuclides	Control land use as protective and consistent with NFA determination.	Property lease requirements, land use controls.	OU-3-13 ROD (DOE/ID-10660) Pages xi, 4-6, 4-10, and Table 11-1
	Post-DOE control	Industrial to 2095, residential after 2095	Radionuclides	Control land use as protective and consistent with NFA determination.	Property transfer requirements for control of land use.	OU-3-13 ROD (DOE/ID-10660) Pages xi, 4-6, 4-10, and Table 11-1	

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
CPP-17	Soil storage south of DOE control postoperations Peach Bottom Fuel Storage area CPP-749		Industrial radiologically controlled area	Radionuclides	Control land use as protective and consistent with NFA determination.	Property lease requirements, land use controls.	OU-3-13 ROD (DOE/ID-10660) Pages xi, 4-6, 4-10, and Table 11-1
	Post-DOE control		Industrial to 2095, residential after 2095	Radionuclides	Control land use as protective and consistent with NFA determination.	Property transfer requirements for control of land use.	OU-3-13 ROD (DOE/ID-10660) Pages xi, 4-6, 4-10, and Table 11-1
CPP-22	Particulate air release south of CPP-603	DOE control postoperations	Industrial radiologically controlled area	Radionuclides	Control land use as protective and consistent with NFA determination.	Property lease requirements, land use controls.	OU-3-13 ROD (DOE/ID-10660) Pages xi, 4-6, 4-10, and Table 11-1
	Post-DOE control		Industrial to 2095, residential after 2095	Radionuclides	Control land use as protective and consistent with NFA determination.	Property transfer requirements for control of land use.	OU-3-13 ROD (DOE/ID-10660) Pages xi, 4-6, 4-10, and Table 11-1
CPP-61	PCB Spill at CPP-718 Transformer Yard	DOE control postoperations	Industrial	PCBs	Provide non-engineered restrictions on activities, requirements, or exposure to soil contaminants.	Property lease requirements, land use controls.	OU-3-13 ROD (DOE/ID-10660) Pages xi, 4-6, 4-10, and Table 11-1 ESD to OU-3-13 ROD (DOE/ID-11109) Page 11
	Post-DOE control		Industrial	PCBs	Provide non-engineered restrictions on activities, requirements, or exposure to soil contaminants.	Property transfer requirements for control of land use.	OU-3-13 ROD (DOE/ID-10660) Pages xi, 4-6, 4-10, and Table 11-1
CPP-88	Radiologically contaminated soil	DOE control postoperations	Industrial radiologically controlled area	Radionuclides	Control land use as protective and consistent with NFA determination.	Property lease requirements, land use controls.	OU-3-13 ROD (DOE/ID-10660) Pages xi, 4-6, 4-10, and Table 11-1
	Post-DOE control		Industrial to 2095, residential after 2095	Radionuclides	Control land use as protective and consistent with NFA determination.	Property transfer requirements for control of land use.	OU-3-13 ROD (DOE/ID-10660) Pages xi, 4-6, 4-10, and Table 11-1
CPP-90	Ruthenium detection	DOE control postoperations	Industrial radiologically controlled area	Radionuclides	Control land use as protective and consistent with NFA determination.	Property lease requirements, land use controls.	OU-3-13 ROD (DOE/ID-10660) Pages xi, 4-6, 4-10, and Table 11-1
	Post-DOE control		Industrial to 2095, residential after 2095	Radionuclides	Control land use as protective and consistent with NFA determination.	Property transfer requirements for control of land use.	OU-3-13 ROD (DOE/ID-10660) Pages xi, 4-6, 4-10, and Table 11-1

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
CPP-95	Airborne plume	DOE control postoperations	Industrial radiologically controlled area	Radionuclides	Control land use as protective and consistent with NFA determination.	Property lease requirements, land use controls.	OU-3-13 ROD (DOE/ID-10660) Pages xi, 4-6, 4-10, and Table 11-1
		Post-DOE control	Industrial to 2095, residential after 2095	Radionuclides	Control land use as protective and consistent with NFA determination.	Property transfer requirements for control of land use.	OU-3-13 ROD (DOE/ID-10660) Pages xi, 4-6, 4-10, and Table 11-1
		RCRA sites					
CPP-633	Old Waste Calcine Facility	Current DOE control/post-DOE control	Industrial landfill--no unauthorized intrusions into capped area	Radionuclides	Prevent exposure to hazardous materials.	Groundwater monitoring, cap inspections (conducted by WAG 3)	
WAG 4 Central Facilities Area							
CFA-01	Landfill I	Current DOE operations	Landfill--no unauthorized intrusion into capped area	Asbestos and chemicals	Maintain integrity of soil cover.	Visible access restrictions, control of drilling and excavation activities, maintain data in CFLUP.	OU-4-13 ROD (DOE/ID-10719 Rev 2) Pages iv, vi, and Table 12-2
		DOE control postoperations	Landfill-- no unauthorized intrusion into capped area	Asbestos and chemicals	Maintain integrity of soil cover.	Visible access restrictions, control of drilling and excavation activities, property lease requirements, notice to stakeholders.	OU-4-13 ROD (DOE/ID-10719 Rev 2) Pages iv, vi, and Table 12-2
		Post-DOE control	Landfill-- no unauthorized intrusion into capped area	Asbestos and chemicals	Maintain integrity of soil cover.	Property transfer requirements.	OU-4-13 ROD (DOE/ID-10719 Rev 2) Pages iv, vi, and Table 12-2
CFA-02	Landfill II	Current DOE operations	Landfill--no unauthorized intrusion into capped area	Asbestos and chemicals	Maintain integrity of soil cover.	Visible access restrictions, control of drilling and excavation activities, maintain data in CFLUP.	OU-4-13 ROD (DOE/ID-10719 Rev 2) Pages iv, vi, and Table 12-2

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>	
CFA-03	DOE control postoperations	Landfill--no unauthorized intrusion into capped area	Asbestos and chemicals	Maintain integrity of soil cover.	Visible access restrictions, control of drilling and excavation activities, property lease requirements, notice to stakeholders.	OU-4-13 ROD (DOE/ID-10719 Rev 2) Pages iv, vi, and Table 12-2		
		Post-DOE control	Landfill--no unauthorized intrusion into capped area	Asbestos and chemicals	Maintain integrity of soil cover.	Property transfer requirements.	OU-4-13 ROD (DOE/ID-10719 Rev 2) Pages iv, vi, and Table 12-2	
CFA-03	Landfill III	Current DOE operations	Landfill--no unauthorized intrusion into capped area	Asbestos and chemicals	Maintain integrity of soil cover.	Visible access restrictions, control of drilling and excavation activities, maintain data in CFLUP.	OU-4-13 ROD (DOE/ID-10719 Rev 2) Pages iv, vi, and Table 12-2	
CFA-07	DOE control postoperations	Landfill-- no unauthorized intrusion into capped area	Asbestos and chemicals	Maintain integrity of soil cover.	Visible access restrictions, control of drilling and excavation activities, property lease requirements, notice to stakeholders.	OU-4-13 ROD (DOE/ID-10719 Rev 2) Pages iv, vi, and Table 12-2		
		Post-DOE control	Landfill-- no unauthorized intrusion into capped area	Asbestos and chemicals	Maintain integrity of soil cover.	Property transfer requirements.	OU-4-13 ROD (DOE/ID-10719 Rev 2) Pages iv, vi, and Table 12-2	
CFA-08	French Drains	DOE controls postoperations	Limited residential	Radionuclides	Limit residential land use for depths greater than 10 ft.	Visible access restrictions, property lease restrictions.	OU-4-13 ROD (DOE/ID-10719 Rev 2) Pages iv, vi, and Table 12-2	
		Post-DOE control	Limited residential	Radionuclides	Limited residential land use.	Property transfer requirements.	OU-4-13 ROD (DOE/ID-10719 Rev 2) Pages iv, vi, and Table 12-2	
CFA-08	Sewage Treatment Plant Drainfield	Current DOE operations prior to remediation	Industrial	Radionuclides	Prevent exposure to contaminated soil.	Visible access restrictions, control of drilling and excavation activities.	OU-4-13 ROD (DOE/ID-10719 Rev 2) Pages iv, vi, and Table 12-2	

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
		Current DOE operations after remediation	Landfill-- no unauthorized intrusion into capped area	Radionuclides	Maintain integrity of contaminant barrier.	Visible access restrictions, control of drilling and excavation activities, maintain data in CFLUP.	OU-4-13 ROD (DOE/ID-10719 Rev 2) Pages iv, vi, and Table 12-2
		DOE control postoperation	Landfill-- no unauthorized intrusion into capped area	Radionuclides	Maintain integrity of contaminant barrier	Visible access restrictions, control of drilling and excavation activities, property lease requirements	OU-4-13 ROD (DOE/ID-10719 Rev 2) Pages iv, vi, and Table 12-2
		Post-DOE control	Landfill-- no unauthorized intrusion into capped area	Radionuclides	Maintain integrity of contaminant barrier.	Property transfer requirements.	OU-4-13 ROD (DOE/ID-10719 Rev 2) Pages iv, vi, and Table 12-2
<b>WAG 5 Central Facilities Area</b>							
ARA-01	Evaporation Pond	Current DOE control until remediation is complete	Industrial	Radionuclides	Prevent exposure to contaminated soil.	Visible access restrictions, control drilling and excavation activities.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
		DOE control postoperations after remediation is complete	Industrial	Radionuclides	Control land use as industrial.	Property lease requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
		Post-DOE control	Industrial	Radionuclides	Control land use as industrial.	Property transfer requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
ARA-02	ARA Sanitary Waste System	DOE control postoperations after remediation is complete	Industrial	Radionuclides	Control land use as industrial.	Property lease requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
		Post-DOE control	Industrial	Radionuclides	Control land use as industrial.	Property transfer requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
ARA-03	ARA-I Sheeting Pad	DOE control postoperations	Industrial	Radionuclides	Control land use as industrial.	Property lease requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
		Post-DOE control	Residential	Radionuclides	Control land use as industrial.	Property transfer requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
ARA-06	ARA-II Burial Ground	Current DOE control until remediation is complete	Landfill-- no unauthorized intrusion into capped area	Radionuclides	Maintain integrity of contaminant barrier.	Visible access restrictions, control drilling and excavation activities, maintain data in CFLUP.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
		DOE control postoperations after remediation is complete	Landfill-- no unauthorized intrusion into capped area	Radionuclides	Maintain integrity of contaminant barrier.	Visible access restrictions, control drilling and excavation activities, property lease requirements, notice to stakeholders.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
		Post-DOE control	Landfill-- no unauthorized intrusion into capped area	Radionuclides	Maintain integrity of contaminant barrier.	Property transfer requirements, notice to stakeholders.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
ARA-07	ARA-II Seepage Pit to East	Current DOE control until remediation is complete	Industrial	Radionuclides	Prevent exposure to contaminated soil.	Visible access restrictions, control drilling and excavation activities.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
		DOE controls postoperations after remediation is complete	Industrial	Radionuclides	Control land use as industrial.	Property lease requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
		Post-DOE control	Industrial	Radionuclides	Control land use as industrial.	Property transfer requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
ARA-08	ARA-II Seepage Pit to West	Current DOE control until remediation is complete	Industrial	Radionuclides	Prevent exposure to contaminated soil	Visible access restrictions, control drilling and excavation activities.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
		DOE control postoperations after remediation is complete	Industrial	Radionuclides	Control land use as industrial.	Property lease requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
ARA-12	ARA-III Leach Pond	Current DOE control until remediation is complete	Industrial	Radionuclides	Prevent exposure to contaminated soil.	Visible access restrictions, control drilling and excavation activities.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
		DOE control postoperations after remediation is complete	Industrial	Radionuclides	Control land use as industrial.	Property lease requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
		Post-DOE control	Industrial	Radionuclides	Control land use as industrial.	Property transfer requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
ARA-16	ARA Tank	Current DOE control until remediation is complete	Industrial	Radionuclides	Prevent exposure to contaminated soil.	Visible access restrictions, control drilling and excavation activities.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
		DOE control postoperations after remediation is complete	Industrial	Radionuclides	Control land use as industrial.	Property lease requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
		Post-DOE control	Industrial	Radionuclides	Control land use as industrial.	Property transfer requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
ARA-23	Contaminated Soils Around CPP-603	Current DOE control until remediation is complete	Industrial	Radionuclides	Prevent exposure to contaminated soil.	Visible access restrictions, control drilling and excavation activities.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
		DOE control postoperations after remediation is complete	Industrial	Radionuclides	Control land use as industrial.	Property lease requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
		Post-DOE control	Industrial	Radionuclides	Control land use as industrial.	Property transfer requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
ARA-24	ARA-III Windblown Soil	Current DOE operations	Industrial	Asbestos	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, maintain data in CFIUP.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
		DOE control postoperations	Industrial	Asbestos	Ensure that land use is appropriate.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
		Post-DOE control	Residential	Asbestos	Ensure that land use is appropriate.	Property transfer requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
ARA-25		Current DOE control until remediation is complete	Industrial	Radionuclides	Prevent exposure to contaminated soil.	Visible access restrictions, control drilling and excavation activities.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
	DOE control postoperations after remediation is complete	Industrial	Radionuclides	Control land use as industrial.	Property lease requirements.		OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
	Post-DOE control	Industrial	Radionuclides	Control land use as industrial.	Property transfer requirements.		OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
PBF-10	PBF Evaporation Pond	DOE control postoperations	Industrial	Radionuclides	Control land use as industrial.	Property lease requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
	Post-DOE control	Residential	Radionuclides	Control land use as industrial.	Property transfer requirements.		OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
PBF-12	SPERT-IV Leach Pond	DOE control postoperations	Industrial	Radionuclides	Control land use as industrial.	Property lease requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
	Post-DOE control	Residential	Radionuclides	Control land use as industrial.	Property transfer requirements.		OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
PBF-13	PBF Rubble Pit	Current DOE operations	Industrial	Asbestos	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, maintain data in CFLUP.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
	DOE control postoperations	Industrial	Asbestos	Ensure that land use is appropriate.	Visible access restrictions, control drilling and excavation activities, property lease requirements.		OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
	Post-DOE control	Residential	Asbestos	Ensure that land use is appropriate	Property transfer requirements.		OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
PBF-21	SPERT-IV Large Leach Pond	DOE control postoperations	Industrial	Radionuclides	Control land use as industrial.	Property lease requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.
	Post-DOE control	Residential	Radionuclides	Control land use as industrial.	Property transfer requirements.		OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
PBF-22	SPERT-IV Leach Pond	DOE control postoperations	Industrial	Radionuclides Control land use as industrial.	Property lease requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.	
		Post-DOE control	Residential	Radionuclides Control land use as industrial.	Property transfer requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.	
PBF-26	SPERT-IV Lake	DOE control postoperations	Industrial	Radionuclides Control land use as industrial.	Property lease requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.	
		Post-DOE control	Residential	Radionuclides Control land use as industrial.	Property transfer requirements.	OU-5-12 ROD (DOE/ID-10700) Pages vii, and Table 33.	
<b>WAG 6/10 Sitewide Concerns</b>							
STF-02	Gun Range	Current DOE operations	Industrial	Lead	Restrict exposure to contaminated soil	Visible access restrictions, control drilling and excavation activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
BORAX-01	BORAX-II Trough V Leach Pond	Current DOE operations	Industrial	Radionuclides Restrict exposure to contaminated soil.	Visible access restrictions, control drilling and excavation activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
		DOE control postoperations	Industrial	Radionuclides Control land use as industrial.	Property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
		Post-DOE control	Industrial	Radionuclides Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
BORAX-02	BORAX-I Burial Site	Current DOE operations	Restrict unauthorized access to the burial site	Radionuclides Maintain the integrity of the containment barrier.	Visible access restrictions, control of drilling and excavation activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
		DOE control postoperations	Restrict unauthorized access to the burial site	Radionuclides Maintain the integrity of the containment barrier.	Visible access restrictions, control of drilling and excavation activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
		Post-DOE control	Restrict unauthorized access to the burial site	Radionuclides Maintain the integrity of the containment barrier.	Visible access restrictions, control of drilling and excavation activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
BORAX-08	BORAX Ditch	Current DOE operations	Industrial	Radionuclides Restrict exposure to contaminated soil.	Visible access restrictions, control drilling and excavation activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
	DOE control postoperations	Industrial	Radionuclides	Control land use as industrial.	Property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
	Post-DOE control	Industrial	Radionuclides	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
BORAX-09	Current DOE operations	Restrict unauthorized intrusion into the entombed structures and buried waste	Radionuclides	Maintain integrity of the contaminant barrier.	Visible access restrictions, control drilling and excavating activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
BORAX-II Trough V							
	DOE control postoperations	Restrict unauthorized intrusion into the entombed structures and buried waste	Radionuclides	Maintain integrity of the contaminant barrier.	Visible access restrictions, control drilling and excavating activities, Property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
	Post-DOE control	Restrict unauthorized intrusion into the entombed structures and buried waste	Radionuclides	Maintain integrity of the contaminant barrier.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
EBR-08	EBR-01 (WM0-703) Fuel Oil Tank	Current DOE operations	Industrial	Diesel fuel	Prevent exposure to contaminated soil.	Visible access restrictions, control drilling and excavation activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
	DOE control postoperations	Industrial	Diesel fuel	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
	Post-DOE control	Industrial	Diesel fuel	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
OMRE-01	OMRE Leach Pond	Current DOE operations	Industrial	Radionuclides	Restrict exposure to contaminated soil.	Visible access restrictions, control drilling and excavation activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
	DOE control postoperations	Industrial	Radionuclides	Control land use as industrial.	Property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
	Post-DOE control	Industrial	Radionuclides	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
ORD-01	Arco High Altitude Bombing Range	Current DOE operations	Industrial	UXO	Restrict exposure to UXO.	Visible access restrictions, control drilling and excavating activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
	DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
	Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
ORD-03	CFA-633 Naval Firing Site and Downrange Area	Current DOE operations	Industrial	UXO	Restrict exposure to UXO.	Visible access restrictions, control drilling and excavating activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
	DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
	Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
ORD-04	CFA Gravel Pit	Current DOE operations	Industrial	UXO	Restrict exposure to UXO.	Visible access restrictions, control drilling and excavating activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
	DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
	Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
ORD-05	CFA Sanitary Landfill Area	Current DOE operations	Industrial	UXO	Restrict exposure to UXO.	Visible access restrictions, control drilling and excavating activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
ORD-06	Naval Ordnance Disposal Area	DOE control postoperations	Industrial	Toxic energetic materials	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		Post-DOE control	Industrial	Toxic energetic materials	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
ORD-07	Explosive Storage Bunker-North of INTEC	Current DOE operations	Industrial	UXO	Restrict exposure to UXO.	Visible access restrictions, control drilling and excavating activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
ORD-08	National Oceanic and Atmospheric Administration	Current DOE operations	Industrial	Explosive materials	Restrict exposure to contaminated soil.	Visible access restrictions, control drilling and excavation activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
ORD-09	Twin Buttes Bombing Range	DOE control postoperations	Industrial	Toxic energetic materials	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		Post-DOE control	Industrial	Toxic energetic materials	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		Current DOE operations	Industrial	UXO	Restrict exposure to UXO.	Visible access restrictions, control drilling and excavating activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
ORD-10	Fire Station II Zone and Range Fire Burn Area	DOE control postoperations	Industrial	Toxic energetic materials	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		Post-DOE control	Industrial	Toxic energetic materials	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		Current DOE operations	Industrial	UXO	Restrict exposure to UXO.	Visible access restrictions, control drilling and excavating activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
ORD-12	Old Military structures	Current DOE operations	Industrial	UXO	Restrict exposure to UXO.	Visible access restrictions, control drilling and excavating activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
ORD-13	Mass Detonation Area	Current DOE operations	Industrial	UXO	Restrict exposure to UXO.	Visible access restrictions, control drilling and excavating activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
ORD-14	Dairy Farm Revetments	Current DOE operations	Industrial	UXO	Restrict exposure to UXO	Visible access restrictions, control drilling and excavating activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
ORD-15	Experimental Field Station	DOE control postoperations	Industrial	Toxic energetic materials	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
ORD-16	UXO East of TRA	Post-DOE control	Industrial	Toxic energetic materials	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
	Current DOE operations	Industrial	UXO	Restrict exposure to UXO.	Visible access restrictions, control drilling and excavating activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
	DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
	Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
ORD-17	Burn-Ring South of Experimental field Station	Current DOE operations	Industrial	UXO	Restrict exposure to UXO.	Visible access restrictions, control drilling and excavating activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
	DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
	Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
ORD-18	Igloo-Type Structures Northwest of Experimental Field Station	Current DOE operations	Industrial	UXO	Restrict exposure to UXO.	Visible access restrictions, control drilling and excavating activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
ORD-19	DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.		OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
	Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.		OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
	Rail Car Explosion Area	Current DOE operations	Industrial	UXO	Restrict exposure to UXO.		OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
	DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.		OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
	Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.		OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
	UXO East of ARFVS	Current DOE operations	Industrial	UXO	Restrict exposure to UXO.		OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
ORD-20	DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.		OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
	Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.		OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
	Juniper Mine	Current DOE operations	Industrial	Diesel fuel	Prevent exposure to contaminated soil.		OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
ORD-22	DOE control postoperations	Industrial	Diesel fuel	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
	Post-DOE control	Industrial	Diesel fuel	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
	Projectiles found near mile markers 17 and 19	Current DOE operations	Industrial	UXO	Restrict exposure to UXO.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
	DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
	Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
	Land Mine Fuze Burn Area	Current DOE operations	Industrial	Explosive materials	Restrict exposure to contaminated soil.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
ORD-24	DOE control postoperations	Industrial	Toxic energetic materials	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
	Post-DOE control	Industrial	Toxic energetic materials	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	
	Ordinance and dry explosives east of the Big Lost River	Current DOE operations	UXO	Restrict exposure to UXO.	Visible access restrictions, control drilling and excavating activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.	

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
ORD-26	Zone east of the Big Lost River	DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		Current DOE operations	Industrial	UXO	Restrict exposure to UXO.	Visible access restrictions, control drilling and excavating activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
ORD-27	Dirt Mounds near the Experimental Field Station, NOAA, and NRF	Current DOE operations	Industrial	UXO	Restrict exposure to UXO.	Visible access restrictions, control drilling and excavating activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		DOE operations postoperations	Industrial	UXO	Control land use as industrial.	Visible access restrictions, control drilling and excavation activities, property lease requirements .	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
		Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
ORD-28	Craters east of INTEC	Current DOE operations	Industrial	UXO	Restrict exposure to UXO.	Visible access restrictions, control drilling and excavating activities.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.

Site Code	Description	Time Frame	Land Restriction	COCs/and Exposure Threat	Objective	Controls	Source Reference <sup>a</sup>
	DOE operations postoperations	Industrial	UXO	Control land use as industrial.		Visible access restrictions, control drilling and excavation activities, property lease requirements.	OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.
	Post-DOE control	Industrial	UXO	Control land use as industrial.	Property transfer requirements.		OU-6-05, and 10-08 ROD (DOE/ID-10980) Table 34.

The following well list represents the wells requiring IC signs at WAG 1, and wells agreed to receive IC inspections at WAG 3.

Wells by WAG. WAG 1			
HDR Well Number	Formal HDR Well Name	Project Name/Alias	Notes
76	ANP-08	ANP-8	
159	GIN-01	GIN-1	
160	GIN-02	GIN-2	
161	GIN-03	GIN-3	
162	GIN-04	GIN-4	
163	GIN-05	GIN-5	
69	ANP-01	TAN-01	
70	ANP-02	TAN-02	
342	TAN-03	TAN-03	
343	TAN-04	TAN-04	
344	TAN-05	TAN-05	
746	TAN-06	TAN-06	
747	TAN-07	TAN-07	
345	TAN-08	TAN-08	
346	TAN-09	TAN-09	
347	TAN-10	TAN-10	
348	TAN-10A	TAN-10A	
349	TAN-11	TAN-11	
748	TAN-12	TAN-12	
749	TAN-13A	TAN-13A	
750	TAN-14	TAN-14	
751	TAN-15	TAN-15	
752	TAN-16	TAN-16	
728	TAN-17	TAN-17	
790	TAN-18	TAN-18	
791	TAN-19	TAN-19	
792	TAN-20	TAN-20	
793	TAN-21	TAN-21	
1013	TANT-MON-A-MW-2	MW-2	
795	TAN-22A	TAN-22A	
797	TAN-23A	TAN-23A	
799	TAN-24A	TAN-24A	
1117	TANT-MON-A-024	TAN-25	
1118	TANT-MON-A-025	TAN-26	
1009	TANT-MON-A-027	TAN-27	
1008	TANT-MON-A-028	TAN-28	
1010	TANT-MON-A-029	TAN-29	

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Wells by WAG. WAG 1			
HDR Well Number	Formel HDR Well Name	Project Name/Alias	Notes
1012	TANT-MON-A-030A	TAN-30A	
1219	TANT-INJ-A-0030	TAN-31	
1134	TANT-MON-A-006	TAN-32	
1135	TANT-MON-A-007	TAN-33	
1136	TANT-MON-A-008	TAN-34	
1137	TANT-MON-A-009	TAN-35	
1138	TANT-MON-A-010	TAN-36	
1163	TANT-MON-A-011	TAN-37	
1164	TANT-MON-A-012	TAN-38	
1165	TANT-MON-A-013	TAN-39	
1166	TANT-MON-A-014	TAN-40	
1167	TANT-MON-A-015	TAN-41	
1168	TANT-MON-A-016	TAN-42	
1169	TANT-MON-A-017	TAN-43	
1170	TANT-MON-A-018	TAN-44	
1171	TANT-MON-A-019	TAN-45	
1172	TANT-MON-A-020	TAN-46	
1314	TANT-MON-A-047	TAN-47	
1211	TANT-MON-A-048	TAN-48	
1450	TANT-INJ-A-049	TAN-49	
1315	TANT-MON-A-050	TAN-50	
1316	TANT-MON-A-051	TAN-51	
1317	TANT-MON-A-052	TAN-52	
1339	TANT-MON-A-053A	TAN-53A	
1340	TANT-MON-A-054	TAN-54	
1341	TANT-MON-A-055	TAN-55	
1342	TANT-MON-A-056	TAN-56	
1343	TANT-MON-A-057	TAN-57	
1344	TANT-MON-A-058	TAN-58	
337	TAN-CH1	TAN-CH1	
729	TAN-CH2	TAN-CH2	
71	ANP-03	TSF-05	
473	USGS-024	USGS-24	
338	TAN DRAINAGE DISP. 01	TAN-D1 (Drainage Disposal)	
339	TAN DRAINAGE DISP. 02	TAN-D2 (Drainage Disposal)	
1859	TAN-1859	TAN-1859	
1860	TAN-1860	TAN-1860	
1861	TAN-1861	TAN-1861	

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Wells by WAG. WAG 3			
HDR Well Number	Formal HDR Well Name	Project Name/Alias	Notes
1388	ICPP-SCI-P-219	ICPP-SCI-P-219	
1389	ICPP-SCI-P-220	ICPP-SCI-P-220	
1390	ICPP-SCI-P-221	ICPP-SCI-P-221	
1391	ICPP-SCI-P-222	ICPP-SCI-P-222	
1392	ICPP-SCI-P-223	ICPP-SCI-P-223	
1393	ICPP-SCI-P-224	ICPP-SCI-P-224	
1394	ICPP-SCI-P-225	ICPP-SCI-P-225	
1395	ICPP-SCI-P-226	ICPP-SCI-P-226	
1396	ICPP-SCI-P-227	ICPP-SCI-P-227	
1397	ICPP-SCI-P-228	ICPP-SCI-P-228	
1398	ICPP-SCI-P-229	ICPP-SCI-P-229	
1399	ICPP-MON-A-230	ICPP-MON-A-230	
1400	ICPP-SCI-P-247	ICPP-SCI-P-247	
1401	ICPP-SCI-P-248	ICPP-SCI-P-248	
1402	ICPP-SCI-P-249	ICPP-SCI-P-249	
1403	ICPP-SCI-P-250	ICPP-SCI-P-250	
1404	ICPP-SCI-P-251	ICPP-SCI-P-251	
1405	ICPP-SCI-P-252	ICPP-SCI-P-252	
483	USGS-034	USGS-34	
484	USGS-035	USGS-35	
485	USGS-036	USGS-36	
486	USGS-037	USGS-37	
487	USGS-038	USGS-38	
488	USGS-039	USGS-39	
489	USGS-040	USGS-40	
490	USGS-041	USGS-41	
491	USGS-042	USGS-42	
492	USGS-043	USGS-43	
493	USGS-044	USGS-44	
494	USGS-045	USGS-45	
495	USGS-046	USGS-46	
496	USGS-047	USGS-47	
497	USGS-048	USGS-48	
498	USGS-049	USGS-49	
500	USGS-051	USGS-51	
501	USGS-052	USGS-52	
506	USGS-057	USGS-57	

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Wells by WAG. <b>WAG 3</b>			
HDR Well Number	Formal HDR Well Name	Project Name/Alias	Notes
508	USGS-059	USGS-59	
516	USGS-067	USGS-67	
526	USGS-077	USGS-77	
531	USGS-082	USGS-82	
533	USGS-084	USGS-84	
534	USGS-085	USGS-85	
560	USGS-111	USGS-111	
561	USGS-112	USGS-112	
562	USGS-113	USGS-113	
563	USGS-114	USGS-114	
564	USGS-115	USGS-115	
565	USGS-116	USGS-116	
570	USGS-121	USGS-121	
571	USGS-122	USGS-122	
572	USGS-123	USGS-123	
196	LF2-08	LF2-08	
197	LF2-09	LF2-09	
198	LF2-10	LF2-10	
199	LF2-11	LF2-11	
724	LF2-12	LF2-12	
207	LF3-08	LF3-08	
726	LF3-09	LF3-09	
727	LF3-10	LF3-10	
721	LF3-11A	LF3-11A	

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## **Appendix B**

### **List of Relevant Documents**



## **Appendix B**

### **List of Relevant Documents**

Portions of the following documents that implement, manage, or assess institutional controls at the INEEL have been integrated into this sitewide institutional controls plan.

#### **WAG 1**

DOE-ID, 1995, *Record of Decision, Declaration for the Technical Support Facility Injection Well (TSF-05) and Surrounding Groundwater Contamination (TSF-23) and Miscellaneous No Action Sites Final Remedial Action*, U.S. Department of Energy Idaho Operations Office, DOE/ID-10139, August 1995.

DOE-ID, 1999, *Final Record of Decision for Test Area North, Operable Unit 1-10*, DOE/ID-10682, October 1999.

DOE-ID, 2001, *Record of Decision Amendment- Technical Support Facility Injection Well (TSF-05) and Surrounding Groundwater Contamination (TSF-23) and Miscellaneous No Action Sites Final Remedial Action*, U.S. Department of Energy Idaho Operations Office, DOE/ID-10139 Amendment, Revision 0, September 2001.

INEEL, 1997, *Explanation of Significant Differences from the Record of Decision for the Technical Support Facility Injection Well (TSF-05) and Surrounding Groundwater Contamination (TSF-23) and Miscellaneous No Action Sites, Final Remedial Action*, INEEL/EXT-97-00931, November 1997.

INEEL, 2000, *Institutional Control Plan for Test Area North Waste Area Group 1*, INEEL/EXT-2000-00917, Rev. 0, September 2000.

INEEL, 2003, *Explanation of Significant Differences from the Record of Decision for the Record of Decision for the Test Area North Operable Unit 1-10*, DOE/ID-11051, April 2003.

#### **WAG 2**

DOE-ID, 1992, *Record of Decision for the Test Reactor Area Perched Water System*, U.S. Department of Energy Idaho Operations Office, December 1992.

DOE-ID, 1997, *Final Record of Decision for Test Reactor Area, Operable Unit 2-13*, U.S. Department of Energy Idaho Operations Office, DOE/ID-10586, December 1997.

DOE-ID, 2000, *Explanation of Significant Differences to the Record of Decision for Test Reactor Area Operable Unit 2-13*, DOE/ID-10744, U.S. Department of Energy Idaho Operations Office, May 2000.

DOE-ID, 2003, Explanation of Significant Differences for the Record of Decision for the Test Area North Operable Unit 1-10, DOE/ID-11050, Rev. 0, April 2003.

### **WAG 3**

DOE-ID, 1999, *Final Record of Decision, Idaho Nuclear Technology and Engineering Center*, DOE/ID-10660, U.S. Department of Energy Idaho Operations Office, U.S. Environmental Protection Agency, Idaho Department of Health and Welfare, October 1999.

DOE-ID, 2003, *Institutional Control Plan for the Idaho Nuclear Technology and Engineering Center, Waste Area Group 3, Operable Unit 3-13*, DOE/ID-10729, Rev. 3, U.S. Department of Energy, Idaho Operations Office, January 2003.

### **WAG 4**

DOE-ID, 2000, *Final Comprehensive Record of Decision for Central Facilities Area Operable Unit 4-13*, Department of Energy Idaho Operations Office, DOE/ID-10719, Revision 2, July 2000.

### **WAG 5**

DOE-ID, 1996, *Record of Decision: Stationary Low-Power Reactor-I and Boiling Water Reactor Experiment-I Burial Grounds (Operable Units 5-05, and 6-01, and 10 No Action Site Operable Units 5-01, 5-03, 5-04, and 5-11)*, January 1996.

DOE-ID, 2000, *Record of Decision for the Power Burst Facility and Auxiliary Reactor Area, Operable Unit 5-12*, DOE/ID-10700, U.S. Department of Energy, Idaho Operations Office, January 2000.

DOE-ID, 2000, *Operations and Maintenance Plan for Power Burst Facility and Auxiliary Reactor Area, Operable Unit 5-12*, DOE/ID-10805, U. S. Department of Energy Idaho Operations Office, December 2000.

### **WAG 6/10**

DOE-ID, 2002, *Record of Decision for Experimental Breeder Reactor I/Boiling Reactor Experiment Area and Miscellaneous Sites*, DOE/ID-10980, Rev. 0, U.S. Department of Energy Idaho Operations Office, November 2002.

### **WAG 7**

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DOE-ID, 1994, *Record of Decision: Declaration for PAD-A at the Radioactive Waste Management Complex Subsurface Disposal Area*, February, U.S. Department of Energy Idaho Operations Office, 1994.

DOE-ID, 1994, *Record of Decision: Declaration for Organic Contamination in the Vadose Zone, (OCVZ), RWMC, INEL* December, U.S. Department of Energy Idaho Operations Office, 1994.

## **Appendix C**

### **Institutional Control Signs at the INEEL**



## **Appendix C**

### **Institutional Control Signs at the INEEL**

This appendix provides an example of an institutionally controlled area sign at the INEEL Site, and provides a discussion of the standard format of the signs.

Institutional control (IC) signs are the predominant method of access restriction at the INEEL Site. They identify the location of controlled sites to any persons who may intentionally or inadvertently enter or disturb a site. Signs will be posted at sites when residual contamination at the site may pose a current or future risk to human health or the environment. A site at the INEEL may not need to be posted with a sign if the site does not pose an unacceptable risk to workers, the public, or the environment.

New sites that are identified at the INEEL may be posted with IC signs prior to being subject to a final record of decision. These sites will be tracked on an internal database and will be included in the CERCLA module of the CFLUP when subject to a record of decision. Signs for new sites must reflect the requirements of this plan.

Institutional control signs will provide, as a minimum, information on the principle hazard(s) at the site, the media of concern, a point-of-contact with phone number, and a warning to not disturb the area unless authorized. The point of contact for the INEEL is the Warning Communications Center, which will coordinate any calls to Long-Term Stewardship contact persons as needed or to contact persons in the related WAG. The potential hazard(s) information will be generalized (e.g., organics, inorganics, radionuclides, PCBs, asbestos, or ordnance) without identifying specific chemicals or radionuclides. The CERCLA warning signs shall be orange in color and the format of the signs shall be consistent throughout the INEEL Site.

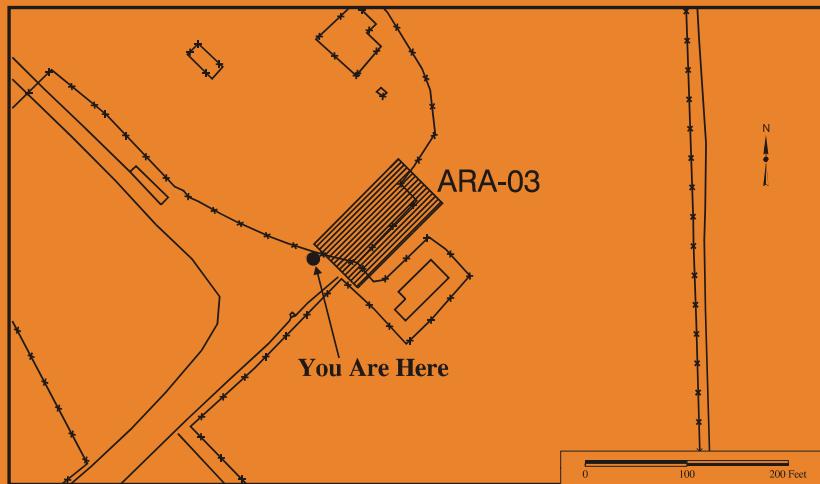
Placement and frequency of warning signs should be sufficient to prevent inadvertent access to a site. While the configuration of IC sites varies greatly at the INEEL and exceptions will occur, the following guidelines may be used in determining the placement of signs:

- Signs will be clearly posted.
- Signs will be placed at normal approach points.
- Signs may be placed intermittently along the boundary of a site.
- The effect upon visibility from opening doors or other changes in configuration will be considered when posting warning signs.
- At least one sign may be placed on each side of an area's boundary.
- Warning signs will be securely affixed and located so that signs and labels can be expected to remain in place.

At sites where the sign location may interfere with traffic patterns or be inaccessible due to geographic restrictions, the signs will be placed such that they best advise personnel of the presence of a hazard. In some cases, signs will be placed near but not on the site. Signs may include a map showing the configuration of the site and adjacent buildings and structures. Signs and labels will be built to endure expected environmental conditions. Signs will not include references to coordinates. Existing signs will be replaced on an as-needed basis and must reflect the requirements of this plan.

C E R C L A  
**Institutionally Controlled Area**

**WAG-5 ARA-03 ARA-I Lead Sheet Pad**



Contaminated Media: Soil

Potential Hazards: Radionuclides

**No Unauthorized Disturbances**

**Point of Contact: WCC (Warning Communications Center)**

**526-1515**

03-GA50877-14

**Example of an Institutionally Controlled Area Sign**

Color: Orange

Suggested Size: 12 in. × 12 in.

## **Appendix D**

### **Assessment Guidance and Example Checklist**



## **Appendix D**

### **Assessment Guidance and Example Checklist**

#### **D-1. ASSESSMENT GUIDANCE AND EXAMPLE CHECKLIST**

General description of activities that should take place before field assessment:

1. Review current IC plan, CFLUP, well maintenance reports, and last assessment report.
2. Prepare checklists and photo log for current assessment.
3. Review MCP-3562, “Hazard Identification, Analysis, and Control of Operational Activities,” Review the applicable JSA for inspection of institutional controls.
4. Prepare and submit INEEL Field Work Visitation Form (#150.04) when inspections are scheduled outside of security fenced areas.
5. Obtain work authorization form area authority by placing inspection on POD/POW. Check with facility prior to beginning work.
6. Review work scope in area to determine if radiological controlled areas need to be assessed. If radiological controlled areas are accessed, then contact the appropriate RADCON organization. With the RCO’s assistance, determine applicable radiological work permit (RWP) for tours/inspections and read/sign on RCIMS or as directed by the covering RCO. Sign in and out as required by the RWP. Participate in pre-job briefing if required. Follow permit conditions for compliance with RWP.

## INSTITUTIONAL CONTROL ASSESSMENT CHECKLIST

**WAG X** Site ID \_\_\_\_\_ Date: \_\_\_\_\_

Site Description \_\_\_\_\_ Time: \_\_\_\_\_

Current Status of Site: Preremediation Remediation Postremediation

Assessment Team\*

Inspector	Title	Signature

The above signatures certify that information contained on this form is true and accurate to the best of the individual's knowledge.

Indicate whether the controls identified below are in place and meeting the objective of the IC.

- |  |     |    |    |               |
|--|-----|----|----|---------------|
| 1. Warning notices:                        | Yes | No | NA |               |
| Signs visible:                             | Yes | No | NA | comment:_____ |
| Signs located as required:                 | Yes | No | NA | comment:_____ |
| Signs legible<br>and information correct:  | Yes | No | NA | comment:_____ |
| Contact number(s):                         | Yes | No | NA | comment:_____ |
| Boundary monuments:                        | Yes | No | NA | comment:_____ |
| 2. Access Controls:                        |     |    |    |               |
| Public access controlled:                  | Yes | No | NA | comment:_____ |
| Physical barriers<br>(e.g., fences/gates): | Yes | No | NA | comment:_____ |
| Security access controls:                  | Yes | No | NA | comment:_____ |
| 3. Land use controls:                      | Yes | No | NA | comment:_____ |
| 4. Review of CFLUP:                        |     |    |    |               |
| Site in CFLUP:                             | Yes | No | NA | comment:_____ |

**Observation:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### **IMPROVEMENTS:**

Describe any additional IC requirements that may be necessary due to unique circumstances observed during the visual inspection: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* Take photographs of deficiencies and fill out the site inspection photo log for the project file.

\* = The assessment team shall consist of at least two individuals, one of whom must represent the Stewardship Program. The second team member may be an ICP Stewardship, or an ICP subproject representative.

## **Appendix E**

### **Example Outline for the Annual Assessment Report**



## **Appendix E**

### **Example Outline for the Annual Assessment Report**

#### **E-1. Example Outline for Annual Assessment Report**

The following is an example outline for the annual assessment report documenting the effectiveness of ICs. The report should concentrate on presenting a thorough summary of the assessment and on reporting exceptions. The final outline of each report will be determined at the time of report preparation.

##### I. Introduction

- a. Purpose of document
- b. Content of document

##### II. Assessment Summary/Results

- a. Overall summary of assessment
- b. Status of CFLUP
- c. Summary of well assessments
- d. Summary of WAG 1 IC sites
- e. Summary of WAG 2 IC sites
- f. Summary of WAG 3 IC sites
- g. Summary of WAG 4 IC sites
- h. Summary of WAG 5 IC sites
- i. Summary of WAG 7 IC sites
- j. Summary of WAG 6/10 IC sites

The results of the assessment will be summarized for each WAG for a calendar year. In addition, the status of corrective actions identified in the previous assessment will be addressed, as well as reporting deficiencies identified during the current assessment (i.e., the format of observation of the deficiencies, the corrective action with the forecast completion date, and current status of corrective action). The report may include an appendix with summary tables for all sites listed, including individual wells. There is no intention to provide copies of the individual well and IC site checklists. The checklists will be available for review by the agency representatives at INEEL. Photographs will be maintained in the project file for viewing by agency representatives, but will not be routinely included in the annual report. Photographs may be included when the photo is indicative of a situation that could not be explained without it.

##### III. Summary Evaluation

This section presents the overall summary of the effectiveness of the ICs.

#### IV. Recommendations

This section presents recommendations on improving the implementation of the ICs and addresses any site-specific or sitewide issues.

## **Appendix F**

### **WAG 3 Notice of Soil Disturbance**



## **Appendix F**

### **WAG 3 Notice of Soil Disturbance**

In the case of WAG 3 OU 3-13, soil disturbances at Idaho Nuclear Technology and Engineering Center (INTEC) are controlled through an additional notification of soil disturbance (NSD). Any soil disturbance must be pursuant to agreement by DOE Idaho, EPA, and DEQ. This NSD process applies only to INTEC and is not intended or required to be used at any other location on the INEEL. Any soil disturbances at INTEC must be within the requirements established under the WAG 3, OU 3-1, ROD to ensure that a disturbance does not interfere with remedial actions identified in the ROD and that remedies remain operational and functional. The established soil disturbance procedure is required for planned disturbance, excavation, and management of soil within WAG 3. The procedure applies to all resources involved in actions that may cause a soil disturbance at a CERCLA site at INTEC and within WAG 3, OU 3-13, and defined area of contamination. The overall procedure for initiating a soil disturbance is as follows:

- Review the INTEC controlled drawing of controlled areas to determine which CERCLA site will be affected by the activity
- Prepare an abbreviated activity summary that includes, at least:
  - Description and location of the activity
  - Soil quantities and maximum depths
  - Soil sampling requirements
  - Fate of soil
- Prepare a proposed schedule for the activity.

DOE Idaho is responsible for reviewing the proposed activity and subsequently completing an NSD package. Prior to any site disturbance activities, the agencies will ensure that remedies identified in the ROD remain operational, functional, and unimpeded (DOE/ID-10660, see Appendix B).